www.jayco.com

Model Year 2006
Sport Utility Trailer
and
Sport Utility Fifth Wheel
Owner's Manual

Jayco

AMERICA'S MOST **LIVEABLE** RVS.

WARNING: Read all instructions in this manual and component part manufacturer supplied information before using your RV.

This manual has been provided by Jayco, Inc. for the sole purpose of providing instructions concerning the operation and maintenance of this vehicle and its component parts. Nothing in this manual creates any warranty, either expressed or implied. The only warranty offered by Jayco, Inc. is the limited warranty applicable to this vehicle.

The owner's failure to provide required service and/or maintenance results in the loss of warranty. The owner should review Jayco's limited warranty and the warranties that apply to specific component parts that are offered with this vehicle.

Instructions are included in the manual for operating various component parts which are optional on some vehicles. In addition, the owner should refer to individual manufacturer's operating instructions contained in the owner's packet.

WARNING:

- **Review the compatibility of your tow vehicle with the trailer you will be towing. You, as the owner, are responsible for the safety and compatibility of your tow vehicle and trailer selections.**
- **You must not exceed the gross vehicle weight rating (GVWR) of the trailer. Include all additions, cargo and tank fluids when calculating the weight of your trailer.**
- **Do not exceed the towing or cargo capacity of your tow vehicle. You must clearly understand how your tow vehicle's capacities are calculated.**
- **Do not load your trailer so that it is unbalanced from front to rear or from side to side.**
- **Know your loaded hitch weight and select a hitch that is adequate for that weight. Consult your hitch and tow vehicle manufacturers with any questions before you tow your trailer.**
- **You are responsible for the maintenance of your tow vehicle and trailer. Make sure your tow vehicle is mechanically sound for your intended usage. Pay particular attention to suspension components, tires and tire pressure.**
- **We recommend the use of sway control devices and weight distributing hitches with all Jayco towable products (excluding fifth-wheels, which use a different type of hitch).**
- **Obey all traffic laws and use your seatbelts at all times. Many states have lower speed limit requirements for tow vehicle/trailer combinations. We recommend that you do not exceed 55 MPH when towing a trailer.**

Consult an expert for specific driver education when towing a trailer. There are private RV driving schools, and some RV clubs, which offer driving seminars as part of their club activities. Recreation vehicle publications and the Internet can be a source of information regarding RV driver education, as well as many other topics to help you learn to safely use your recreation vehicle.

YOUR NEW JAYCO IS YOUR PASSPORT TO A WHOLE WORLD OF NEW FRIENDS, CAMPING FUN AND TRAVEL ADVENTURE WHEN YOU JOIN THE THOUSANDS OF JAYCO FAMILIES WHO MAKE UP THE . . .

JAYCO JAFARI INTERNATIONAL TRAVEL CLUB

You will find us enjoying the friendship and fellowship of JAFARI CAMPING as we join our local area FLIGHTS at hundreds of weekend camp-outs all over North America each month . . .

WE'RE THE FAMILIES OF JAYCO!

There are special STATE, REGIONAL and INTERNATIONAL RALLIES where you can join with your fellow JAFARIANS and their flights to enjoy a special kind of togetherness . . . fun, games, and entertainment provide memories to last a lifetime.

And . . . how about the exotic surroundings of NEW ORLEANS, the sounds and color of NASHVILLE and the GRAND OLE OPRY, the roar and rush of the INDIANAPOLIS 500, the quiet surroundings of the CANADIAN ROCKIES, the color of the SMOKY MOUNTAINS in the Fall. These and many other adventures can be yours when you join the. . .

JAYCO JAFARI INTERNATIONAL TRAVEL CLUB

Fill in the blanks on the reverse side, cut along dotted line and mail along with a check to:

JAYCO JAFARI INT'L TRAVEL CLUB

ATTN: Membership Coordinator

P.O. Box 192

Osceola, IN 46561-0192

Yes, it's for everyone with a JAYCO RV; young couples just starting out, families spending quality time together, the young at heart expanding their life experiences. Whether you belong to another camping club, have always traveled alone, or are just starting, don't miss out on one of the most priceless benefits of being an RV family . . . meet new friends and spend a bit of your camping life with some of the finest people you will ever have the opportunity to share a campfire or treasure a moment of golden living with a . . FIFTH-WHEEL TRAVEL TRAILER. . .SPORT UTILITY TRAILER . . . CONVENTIONAL TRAVEL TRAILER . . . TYPE C MOTORHOME . . . FOLDING CAMPING TRAILER . . . it doesn't matter. If you are a JAYCO RV FAMILY, then you are eligible to become a Jayco Jafari Member.

YOU WILL NEVER BE SORRY YOU MADE THE DECISION!

Your membership entitles you to:

- Special international decals for your unit.
- The Hitch newsletter with schedules of upcoming events and activities.
- A membership roster - containing the names and addresses of current members of the club will be sent bi-yearly.
- Discount Cards for several national theme parks including Six Flags and Busch Corp. Parks.
- A special price is available on Wheeler's Campground Guides.
- Discounts with Hertz Rental Car.
- Discounts with Coach Net, an emergency roadside service.
- Farm & City Insurance has RV insurance available at discounted rates to current Jayco Jafari International Club members.
- All of this, plus the joy of meeting new friends and enjoy Jafari adventures around the country.

Start with the first phase of your camping life...just complete the following application and forward it to the Jayco Jafari International Travel Club office. Your membership application may also be completed online, by visiting our website at www.jaycorvclub.com. If vou have further questions, contact the club office direct at the website or by calling 800-262-5178. Local calls can be made to 574-258-0571.

Jafari INTERNATIONAL TRAVEL CLUB Jayco

WELCOME TO THE JAFARI FAMILY!

TO: Membership Coordinator for the Jayco Jafari International Travel Club

Please enroll us as members in the Jayco Travel Club. We are ready to roll to where the "friends we just haven't met yet" have the coffee on the fire and are waiting for us to arrive: We are ...

Name: _____ Spouse: _____

Address: _____ Phone: _____

City: _____ State: _____ Zip: _____

Email: _____

Ages of Children at Home: _____

Our JAYCO is a: _____ Our Dealer _____
(type & size)

Membership Dues:

One year	$25.00	Amount enclosed. $_____
Two years:	$45.00	Check #: _____
Three years:	$65.00	

_____

(signature) (date)

Table of Contents

Welcome. 1
Warranty/Service. 3
Towable Limited Warranty 4
Warranty Registration and Customer Delivery Form 7
Limited Warranty Transfer Application 8
Service Procedures 10
Basic Service Procedures. 10
Independent, Authorized Dealer 11
Parts 11
Owner's Responsibility. 11
Manufacturer's Customer Support Directory. 12
Safety. 13
Safety Considerations 13
Reporting Safety Defects. 13
Safety in Using Propane 14
Checking for Leaks. 14
To Leak Test the Propane System: 14
If a Leak is Detected: 15
Electrical System Safety 15
Water System Safety 15
Fuel Safety 16
Fuel Station 16
Transportation of Cargo 17
Fire Extinguisher 17
Inspection and Maintenance. 17
Carbon Monoxide Detector 18
Smoke Detector 18
Safety When Emergency Stopping 19
Changes, Modifications and Additions. 19
Additional Safety Considerations 20
Cold Weather/Extended Use. 20
Condensation 21
Insurance 21
Before you travel.... 23
Weights and Cargo Capacity 23
Loading Cargo. 24
Cargo Ramp Door Operation 26
To open the ramp door: 26
To close the ramp door: 26
Rear Bumper. 27
Holding Tank(s) and Trailer Weight. 27
Weighing Instructions 27
To Properly Weigh Your Recreation Vehicle:. 28
To Determine the Wheel Position Weight: 28
Equipment. 28
Tow Vehicle 29

Sport Utility Trailer Only . . . 30
Hitches . . . 30
Weight Distributing System . . . 30
Sway Control . . . 30
Hitch Height . . . 31
The Hitching Procedure . . . 31
The Safety Chain . . . 32
Fifth-Wheel Sport Utility Trailers Only . . . 33
Hitches . . . 33
Hitch Height . . . 33
Hitching Procedures . . . 33
Landing Gear . . . 34
Electric . . . 34
Remote Control (Option) . . . 34
Towing . . . 35
Towing Behind Your Trailer . . . 35
Tires . . . 36
Wheel Lugs . . . 37
Brakes . . . 38
Pre-Travel Checklist . . . 40
Setting Up Camp.... . . . 43
Selecting your Campsite . . . 43
Setting Up Your Trailer . . . 44
Un-Hitching - Fifth-Wheel Sport Utility Trailer . . . 44
Un-Hitching - Sport Utility Trailer . . . 44
Leveling Your Trailer . . . 44
Additional Set Up . . . 45
Manual Stabilizer Jacks . . . 45
Electric Rear Stabilizer Jacks (Option on Certain Models) . . . 45
Slideout Room (Certain Models) . . . 46
Components . . . 46
Extending Room . . . 47
Retracting Room . . . 47
Television . . . 47
Antenna . . . 47
Cable . . . 47
Rear Bed Operation (Fig. 9) . . . 48
Set Up . . . 48
Store Away . . . 48
Electric Bed Lift . . . 48
Couch/J-Steel Dinette Operation . . . 49
Booth Dinette to Bed Conversion . . . 50
Hide-a-Bed . . . 50
Awning Set Up . . . 50
Screen Wall (Option) . . . 51
Removable Screen Wall . . . 51
Retractable Screen Wall . . . 52

Patio Canopy and Screen Room (Option). . . . 52
Utility Hookups . . . 53
Electricity . . . 53
Water . . . 53
To utilize the city water connection:. . . . 53
To utilize the installed tank: . . . 54
Gravity Fill Tank . . . 54
12-Volt DC On-Demand Water Pump . . . 54
Water Pressure Regulator . . . 54
Propane Connections and Start Up . . . 55
Waste Disposal . . . 55
To Connect the Trailer for Waste Disposal: . . . 56
At Camp... . . . 57
Appliances. . . . 57
Kitchen . . . 57
Range . . . 57
Microwave . . . 57
Refrigerator . . . 57
Furnace . . . 57
Water Heater . . . 58
Bathroom . . . 58
Toilet . . . 58
Faucets . . . 58
Exterior Water Connection . . . 59
To Utilize Exterior Water Connection . . . 59
Power Washer (Option) . . . 59
Outside Shower (Option) . . . 59
Operation . . . 59
Water Purification System. . . . 60
To replace the filter: . . . 60
Entertainment . . . 60
Radio Speaker Operation . . . 60
To operate all five (5) inside speakers and subwoofer: . . . 60
To operate outside speakers and inside subwoofer: . . . 61
Air Conditioner . . . 61
Security Lights . . . 61
Monitor Panel . . . 61
Operation . . . 61
Fuel Tank(s) . . . 62
Fuel Gauge Operation . . . 63
Generator Only . . . 63
Generator and Fuel Station or Fuel Station Only . . . 63
Generator Prep / Generator (Option). . . . 63
Generator Prep . . . 63
Generator. . . . 64
Fuel Station . . . 64
Operation. . . . 65

To Dispense Fuel: . . . 65
BBQ Grill Prep . . . 66
BBQ Grill (Option) . . . 66
Power Package Components . . . 67
Utilities/Systems . . . 69
Plumbing System . . . 69
Sanitizing the Potable Water System . . . 69
Drainage . . . 70
To Drain System: . . . 70
Sanitation System . . . 70
Using Toilet and Tank System . . . 70
Vents . . . 71
Holding Tanks . . . 71
Waste (Black) Tank Preparation . . . 71
Gray Water Holding Tank . . . 71
Propane System . . . 71
Propane Container . . . 73
Servicing and Filling Propane Containers . . . 74
OPD Overfill Protection . . . 75
Dual Cylinder Assembly with Cylinder Rack on A-Frame or Front Trunk . . . 75
Two Cylinders - 20# or 30# (44 or 66 kilograms) In a recessed compartment or housing (Fig. 33) . . . 76
Main Supply Hose - Low Pressure . . . 76
Regulator . . . 76
Propane Consumption . . . 77
Propane Detector . . . 77
Electrical System . . . 78
General . . . 78
120-Volt AC System . . . 78
Power Cord . . . 78
Ground Fault Current Interrupter (GFCI) . . . 79
Testing Instructions . . . 79
50-amp Service . . . 80
Consumption of 120-volt AC Power . . . 80
12-Volt DC System . . . 80
Power Converter . . . 81
Auxiliary Battery (Independent, Authorized Dealer Installed Option) . . . 81
Generator (Option) . . . 82
Battery Disconnect Switch . . . 82
Battery Isolator (For Tow Vehicle) . . . 82
Lights . . . 82
Exterior . . . 82
Porch . . . 83
Interior . . . 83
Bulbs . . . 83
Fuses . . . 83
DC Fuse Panel Layout . . . 84

Television Cable . . . 84
Brakes . . . 84
Preparing to Travel Home... . . . 85
Departing Camp Checklist. . . . 85
Draining the HoldingI Tank(s). . . . 87
To Empty Holding Tank: . . . 87
Maintaining Your Investment... . . . 89
Maintenance . . . 89
Fifth-Wheel Sport Utility Trailer Only . . . 89
Hitch . . . 89
Landing Gear . . . 89
Sport utility Trailer Only . . . 89
Hitch . . . 89
Coupler . . . 89
Tongue Jack . . . 90
Frame . . . 90
E-Z Lube Axle . . . 90
Wheel Bearings. . . . 90
Wheel Lugs. . . . 90
Brakes and Brake Linings . . . 91
Tires . . . 91
Changing Tire . . . 91
Spare Tire Carrier . . . 92
Clearance Lights. . . . 92
Exterior . . . 93
Metal . . . 93
Fiberglass Sidewalls . . . 93
Roof Ladder (Option) . . . 93
(Fifth-Wheel Sport Utility Trailers Only). . . . 93
Rubber Roof . . . 93
Sealants. . . . 94
Doors and Locks . . . 95
Entrance Door . . . 95
Cargo Bay Floor/Wall Coating . . . 97
Screen Wall and/or Patio Canopy/Screen Room . . . 97
Removable Screen Wall . . . 97
ABS Plastics . . . 97
For cleaning: . . . 97
Bathroom Tub, Lavatory Sink . . . 98
Furniture, Cushions, and Fabric Valances . . . 98
Cloth Upholstery . . . 98
Suede or Vinyl Upholstery . . . 98
Bedspreads . . . 98
Window Treatments . . . 98
Shower Curtain and Liner . . . 98
Paneling . . . 99
Vinyl Floor . . . 99

Carpeting . . . 99
Countertops . . . 99
High Pressure Laminate . . . 99
Hardware and Sink or Shower Fixtures . . . 99
Slideout . . . 100
Troubleshooting the Electric Slideout . . . 100
Main Room Slideout . . . 100
Override the Electric Main Room Slideout . . . 101
Tools required . . . 101
Main Room Slideout Override . . . 101
Bedroom Slideout . . . 101
Overriding the Electric Bedroom Slideout System . . . 101
Tools required: . . . 101
Bedroom Slideout Override . . . 101
Fuel Station . . . 102
Carbon Monoxide (CO) Detector . . . 102
Propane System . . . 102
Propane Cylinders . . . 102
TV Antenna . . . 103
Furnace . . . 103
Generator . . . 103
Air Conditioner . . . 104
Toilet . . . 104
Maintenance Checklist . . . 105
Storing Your Trailer... . . . 109
Winterizing . . . 109
Method 1 . . . 109
Method 2 . . . 110
Storage Checklist . . . 111
During Storage Period . . . 111
Index . . . 113

WELCOME

Thank you for purchasing your Jayco Recreation Vehicle (RV) and welcome to the world of recreation vehicle travel. Your purchase of a Jayco RV allows you to enter this unique world of camping and leisure in a grand style. Your Jayco RV has been designed and engineered to offer many comforts of home to make your camping experience as enjoyable as possible. Jayco RVs are designed, constructed, warranted and intended to be used as temporary living quarters for recreational, camping and travel uses, as defined in the bylaws of the Recreation Vehicle Industry Association.

This owner's manual will assist you in understanding the RV's proper use and operation. If you are a newcomer to RV travel, you will appreciate the suggestions and "shop talk" information found throughout this manual.

Keep this manual in your recreation vehicle for handy reference. Get to know your new vehicle and how it operates. The information in this manual reflects the most current available to us at the time of publication. This manual is a supplement to various other instructions supplied by the manufacturers of separately manufactured and warranted component parts. Carefully read, understand and follow this owner's manual and all information supplied by manufacturers of components. This information contains important operating, safety, and maintenance instructions. Direct questions that are not answered by the owner's manual or other booklets, to your independent, authorized dealer. If they cannot satisfactorily answer your questions, they will call or refer you to the component part manufacturer or Jayco.

Your vehicle was manufactured based on the applicable requirements of:

- Federal Motor Vehicle Safety Standards
- State Regulations
- Canadian Standards Associations (CSA) (where applicable)
- Requirements of ANSI Standard A119.2, the nationally recognized Standard For Recreation Vehicles – Installation of Plumbing, Heating and Electrical Systems.

The Recreation Vehicle Industry Association (RVIA) and Canadian Standards Association (CSA) periodically inspect our production line and assist us in maintaining strict compliance with installation and safety standards for those systems.

Periodic safety inspections and a program of preventive maintenance are necessary for the continuation of safe and trouble-free operation.

Camping is a great way to relax and enjoy the outdoors with your friends and family. Please remember to tread lightly on our beautiful land and leave only your footprints so that others may enjoy nature as much as you did.

The Jayco Family

Jayco, Inc.

NOTES

WARRANTY/SERVICE

The following pages contain warranty information. It is our recommendation that you read through Jayco's warranty and all other warranties. If there is any part which you do not understand, consult with your independent, authorized dealer, appropriate component part manufacturer, or Jayco for further explanation. The warranty titles are defined as follows:

- **Towable Limited Warranty** - This warranty comes direct from the manufacturer to the original purchaser. It provides limited coverage for your recreation vehicle, when used only for its intended purpose of recreational travel and camping, for two (2) years. Beyond this, it can be transferred one time only within the warranty period.
- **Warranty Registration & Customer Delivery Form** - This form is to be completed by the independent, authorized dealer when you pick up your unit. Once it is completed and signed, the independent, authorized dealer will forward the information to us so we can register your trailer.
- **Limited Warranty Transfer Application** - This is the form required to transfer the warranty as indicated above in the Towable Limited Warranty. This form must be completed and filed as instructed for the transfer to occur. If you have questions, consult with your independent, authorized dealer.

TOWABLE LIMITED WARRANTY

WHAT AND WHO IS COVERED

The Jayco warranty covers this recreational vehicle ("RV"), when used only for its intended purpose of recreational travel and camping, for two (2) years. The warranty period begins on the date that the RV is delivered to the first retail purchaser by an independent, authorized dealer of Jayco, or, if the dealer places the vehicle in service prior to retail sale, on the date the RV is first placed in such service. In the event that a substantial defect in material or workmanship, attributable to Jayco, is found to exist during the warranty period, it will be repaired or replaced, at Jayco's option, without charge to the RV owner, in accordance with the terms, conditions and limitations of this limited warranty.

This limited warranty applies to the first consumer purchaser, and the next subsequent owner, only. This limited warranty may be transferred once during the warranty period. However, the subsequent owner must submit a warranty transfer form to Jayco to make the warranty transfer effective. You may contact an independent, authorized dealer for details. All rights and limitations within this warranty are applicable to the original owner and the subsequent owner of the RV. The subsequent owner's warranty coverage period is the remaining balance of the warranty coverage period that the prior owner was entitled to under this limited warranty.

Jayco's obligation to repair or replace defective materials or workmanship is the sole obligation of Jayco under this limited warranty. Jayco reserves the right to use new or remanufactured parts of similar quality to complete any work, and to make parts and design changes from time to time without notice to anyone. Jayco reserves the right to make changes in the design or material of its products without incurring any obligation to incorporate such changes in any product previously manufactured. Jayco makes no warranty as to the future performance of this RV, and this limited warranty is not intended to extend to the future performance of this RV, or any of its materials, components or parts. In addition, the RV owner's obligation to notify Jayco, or one of its independent, authorized dealers, of a claimed defect does not modify any obligation placed on the RV owner to contact Jayco directly when attempting to pursue remedies under state or federal law.

LIMITATIONS, EXCLUSIONS AND DISCLAIMER OF IMPLIED WARRANTIES

ANY IMPLIED WARRANTY THAT IS FOUND TO ARISE BY WAY OF STATE OR FEDERAL LAW, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS, IS LIMITED IN DURATION TO THE DURATION SET FORTH IN THIS LIMITED WARRANTY AND IS LIMITED IN SCOPE OF COVERAGE TO THE SCOPE OF COVERAGE OF THIS LIMITED WARRANTY. Jayco makes no warranty of any nature beyond that contained in this limited warranty. Jayco does not authorize any person to create any other obligation or liability for it regarding this RV, and Jayco is not responsible for any representation, promise or warranty made by any dealer or other person beyond what is expressly stated in this limited warranty, and no one has the authority to enlarge, amend or modify this limited warranty. Any selling or servicing dealer is not Jayco's agent, but an independent entity.

JAYCO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES THAT MAY RESULT FROM BREACH OF THIS LIMITED WARRANTY OR ANY IMPLIED WARRANTY. THIS EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES SHALL BE INDEPENDENT OF ANY FAILURE OF THE ESSENTIAL PURPOSE OF ANY WARRANTY, AND THIS EXCLUSION SHALL SURVIVE ANY DETERMINATION THAT THIS LIMITED WARRANTY OR ANY IMPLIED WARRANTY HAS FAILED OF ITS ESSENTIAL PURPOSE.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

HOW TO GET SERVICE

To obtain warranty service the owner must do all of the following:

1. Notify an independent, authorized dealer of Jayco, or Jayco, of the substantial defect in material or workmanship attributable to Jayco, within the warranty coverage period designated above;
2. Provide the notification mentioned in (1), above, within ten (10) days of when the owner discovered, or should have discovered, the substantial defect in material or workmanship attributable to Jayco;
3. Promptly schedule an appointment with and take the RV to an independent, authorized dealer of Jayco, or Jayco, for repairs; and
4. Pays any freight or transportation costs, import duties, fees and all incidental expenses associated with obtaining warranty service.

For warranty service, simply contact one of Jayco's independent, authorized service centers for an appointment and then deliver your RV to the service center on the specified appointment date. If you need assistance you may contact Jayco, at P.O. Box 460, Middlebury, Indiana 46540, Attn: Aftermarket Service, (574) 825-0608, or http://www.jayco.com.

NOTE: Jayco does not control the scheduling of service work at the independent, authorized dealerships. You may encounter some delay in scheduling or completion of work. Also, you must notify the selling dealer at time of delivery to have work performed on any defect that occurred at the factory during manufacture at no cost to you as provided by this limited warranty. (See below under WHAT IS NOT COVERED).

If two (2) or more service attempts have been made to correct any covered defect that you believe impairs the value, use or safety of the RV, or if it has taken longer than thirty (30) days for those types of repairs to be completed, you must, to the extent permitted by law, notify Jayco directly, in writing, at the above address, of the unsuccessful repair(s) of the alleged defect(s) so that Jayco can become directly involved in making sure that you are provided service pursuant to the terms of this limited warranty.

WHAT IS NOT COVERED

By way of example only, this Limited Warranty does not cover any of the following: defects in materials, components or parts of the RV not attributable to Jayco, items that are added or changed after the RV leaves the possession of Jayco; additional equipment or accessories installed at any dealership, or other place of business, or by any other party, other than Jayco; any RV used for rental or other commercial purposes (Note: It shall be concluded that the RV has been used for commercial and/or business purposes if the RV owner or user files a tax form claiming any business or commercial tax benefit related to the RV, or if the RV is purchased in a business name); any RV not used solely for recreational travel and camping; normal wear, tear or usage, such as tears, punctures, soiling, mildew, fading, or discoloration of exterior plastic or fiberglass, or soft goods, such as upholstery, drapes, carpet, vinyl, screens, cushions, mattresses and fabrics; the effects of condensation or moisture from condensation inside the RV; mold or any damage caused by mold to the inside or outside of the RV; imperfections that do not affect the suitability of the RV for its intended purpose of recreational use or items that are working as designed but that you are unhappy with; problems, including water leaks, related to misuse, mishandling, neglect or abuse, including failure to maintain the RV in accordance with the owner's manual, or other routine maintenance such as inspections, lubricating, adjustments, tightening of screws, tightening of lug nuts, sealing, rotating tires; damage due to accident, whether or not foreseeable, including any acts of weather or damage or corrosion due to the environment, theft, vandalism, fire, or other intervening acts not attributable to Jayco; damage resulting from tire wear or tire failure; defacing, scratches, dents, chips on any surface or fabric of the RV; damage caused by off road use, overloading the RV or alteration of the RV, or any of its components or parts; wheel alignment or adjustments to axles when caused by improper maintenance, loading or damage from road hazards, including off road travel, wheel damage or balancing or damage from tire failures.

In addition, this limited warranty does not cover any material, component or part of the RV that is warranted by another entity, including, by way of example, handling, braking, wheel balance, muffler, tires, tubes, batteries, gauges, generator, jacks, inverter, microwave, television, VCR, CD player, tape player, radio, speakers, television, refrigerator, range, water heater, stove, carbon monoxide detector, smoke detector, furnace or any air conditioner. (Note: The written warranty provided by the manufacturer of the component part is the direct responsibility of that manufacturer).

Defects and/or damage to interior and exterior surfaces, trim, upholstery and other appearance items may occur at the factory. These items are usually detected and corrected at the factory or by the selling dealer prior to delivery to the retail customer. You must inspect your RV for this type of damage when you take delivery. If you find any such defect or damage you must notify the selling dealer at time of delivery to have these items covered by this limited warranty and to have work performed on the items at no cost to you as provided by this limited warranty.

EVENTS DISCHARGING JAYCO FROM OBLIGATION UNDER WARRANTY

Certain things completely discharge Jayco from any obligation under this warranty and void it. By way of example, the following shall discharge Jayco from any express or implied warranty obligation to repair or replace any defect that results from: any rental or other commercial use or purchase of the RV (as defined in this warranty), any defect in a separately manufactured component part, owner neglect or failure to provide routine maintenance (See Owner's Manual), unauthorized alteration, off road use, collision or accident, whether or not foreseeable, including any acts of weather or damage or corrosion due to the environment, theft, vandalism, fire, explosions, overloading in excess of weight ratings, and tampering with any portion of the RV.

LEGAL REMEDIES

Any action to enforce any portion of this limited warranty, or any implied warranty, shall be commenced within six (6) months after expiration of the warranty coverage period designated above. Any performance of repairs shall not suspend any limitation period from expiring. Any performance of repairs after the warranty coverage period has expired, or performance of repairs regarding any thing excluded from coverage under this limited warranty shall be considered "good will" repairs, and they will not alter the express terms of this limited warranty, or extend the warranty coverage period or this limitation period in this paragraph. In addition, this warranty is not intended to extend to future performance, and nothing in this warranty, or any action of Jayco, or any agent of Jayco, shall be interpreted as an extension of the warranty or this limitation period. Some states do not allow a reduction in the statute of limitations, so this reduction may not apply to you.

WARRANTY REGISTRATIONS:

Your warranty registration records should be completed and delivered to the manufacturers of component parts. The selling dealership will assist you in completing and filling out the Jayco product warranty registration form. That form must be returned to Jayco within ten (10) days of your taking delivery of the RV. Your Jayco warranty will not be registered unless this warranty registration is completed and received by Jayco. Failure to file this warranty registration with Jayco will not affect your rights under this limited warranty as long as you can present proof of purchase, but it can cause delays in obtaining the benefits of this limited warranty, and it may inhibit any servicing facility's ability to provide proper repairs and/or part replacement.

CARE AND MAINTENANCE

It is the Owner's responsibility to perform proper care and maintenance of the RV, and to assure correct load distribution. For details regarding this, please see your Jayco owner's manual and the owner's manuals of other component part manufacturers. These outline various care and maintenance that is required to maintain your RV. Please review all manuals supplied with your RV, and contact your selling dealership or supplier of the component part if you have questions. Note: Failure to maintain the RV as noted in those manuals voids this limited warranty, and any damage to the RV as a result of your failure to perform such care, is not covered by this limited warranty.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

JAYCO, INC.
903 South Main * P.O. Box 460 * Middlebury, IN 46540
Telephone: 574-825-0608

WARRANTY REGISTRATION AND CUSTOMER DELIVERY FORM

Dealer is to assure that this form is properly completed and returned to Jayco within ten (10) working days after delivery.

Jayco, Inc.
P.O. Box 460
903 South Main Street
Middlebury, IN 46540
(574) 825-0608

OWNER'S NAME			DEALER'S NAME		
ADDRESS			ADDRESS		
CITY	STATE	ZIP CODE	CITY	STATE	ZIP CODE
DELIVERY DATE	PHONE NUMBER (DAYTIME)		**ODOMETER READING (MUST BE COMPLETED FOR MOTORHOMES)**		
JAYCO SERIAL NUMBER			CHASSIS VIN (VEHICLE I.D. NUMBER) **(SEVENTEEN DIGITS REQUIRED)**		

ALL ITEMS MUST BE MARKED OFF BY THE DEALER IN THE CUSTOMER'S PRESENCE INDICATING PERFORMANCE OR INSTRUCTION AS REQUIRED.

1. ELECTRICAL SYSTEM
- __ 120-Volt System
- __ 120-Volt Auxiliary Generator Operation
- __ 12-Volt System
- __ Ground Fault Circuit Interrupter (GFCI)
- __ All Interior Lights/Recepts/Switches
- __ All Exterior Lights/Recepts/Switches
- __ Battery System
- __ Monitor Panel
- __ Slideout Operation and Maintenance
- __ Phone and Cable TV
- __ Audio/Video Entertainment System
- __ Converter Operation and Use
- __ Solar Panel
- __ Interior Fans - All

a. Motorized Only
- __ Inverter Operation and Use
- __ Driver Dash Controls/Switches
- __ Hydraulic Leveling Jacks
- __ Power Cord/Reel
- __ Backup Camera and Monitor

2. PROPANE SYSTEM
- __ Location and Maintenance of Propane Lines and Connections
- __ Maintenance and Operation of Regulator
- __ Propane Monometer Test (Check for leaks - repair if needed and retest) Set Pressure at _____in. Water Column
- __ Outside Grill Use and Operation

3. WATER/PLUMBING SYSTEM
- __ Water Intake/Drain Lines
- __ Demand Pump
- __ Faucet(s)/Fixture(s)
- __ Winterizing/Bypass
- __ Outside Shower
- __ Shower

3. WATER/PLUMBING SYSTEM CONT.
- __ Black Holding Tank(s)
- __ Grey Holding Tank(s)
- __ Fresh Water Holding Tanks(s)
- __ Toilet

4. APPLIANCES
- __ Furnace and Thermostat
- __ Range/Oven/Hotplate
- __ Water Heater
- __ Refrigerator
- __ Air Conditioner
- __ Microwave
- __ Central Vacuum
- __ Heat Pump
- __ Washer/Dryer

5. INTERIOR
- __ Curtain/Drapes/Valances/Blinds
- __ Beds/Couches/Tables
- __ Fire Extinguisher (Check CHARGE ONLY)
- __ Interior Trim and Sealants
- __ Windows - Crank Mechanisms/Slides/etc.

6. EXTERIOR
- __ Doors and Locks - all keys
- __ Screen Door
- __ Entrance Step
- __ Finish - spot paint, touch up and rub out if necessary
- __ TV and/or Satellite Antenna Mechanism
- __ Vents - all
- __ Compartment Doors
- __ Trim and Sealants
- __ Awnings
- __ Bumper/A-Frame - touch up as needed
- __ Window and Roof Sealants

7. CHASSIS - MOTORIZED ONLY
- __ Check all Fluid Levels
- __ Chassis Prep as Recommended by the Manufacturer
- __ Tires - Condition and Pressure
- __ Wheel Lugs - as outlined in Chassis manual

8. RUNNING GEAR - TOWABLE ONLY
- __ Brake Adjustment and Maintenance
- __ Bearing Lubrication and Maintenance
- __ Brake Wire Connections
- __ Hydraulic Brake Fluid and Maintenance
- __ A-Frame/Coupler Operation
- __ Operate and Lube Jacks
- __ Tires - Condition and Pressure Set Tire Pressure _____ psi
- __ Wheel Lugs - (Tighten to specs for ft. lb. torque) Review Maintenance - tighten at 10,25,50 miles

9. FOLDING CAMPING TRAILER ONLY
- __ Complete Set Up and Closing Demonstration, Proper Leveling

10. GENERAL
- __ Wash Vehicle
- __ Be certain that all required literature is in the vehicle
- __ Be certain that all accessories including remotes are in the vehicle
- __ Be certain that all Owner's Manuals are in the vehicle
- __ Be certain that the Warranty Forms are completed

DEALER ler ins tions are not covered under Jayco's limited warranties.)

OWNER/DEALER INSPECTION
1. Exterior and interior finish.
2. Operate all appliances, optional equipment and accessories and discuss maintenance.
3. Review operation, maintenance and safety of Propane System.
4. Explain weight ratings, limitations and proper load distribution and maintenance.
5. Operate all fresh water and plumbing components including faucets, shower, toilet and drain locations.
6. Review tow vehicle, hitch and sway control set-up - test drive. (towables only)
7. Complete review of owner's manuals and highlight safety issues.

I HAVE COMPLETED THE ABOVE INSPECTION ON THIS FAMILY CAMPING VEHICLE AND HAVE TAKEN A TEST DRIVE AT THE TIME OF PURCHASE. I NOTED:

I RECEIVED A COPY OF THE JAYCO LIMITED WARRANTY BEFORE I PURCHASED THIS VEHICLE AND I UNDERSTAND THAT IT IS DESIGNED TO BE USED ONLY FOR RECREATIONAL CAMPING AND TRAVEL.

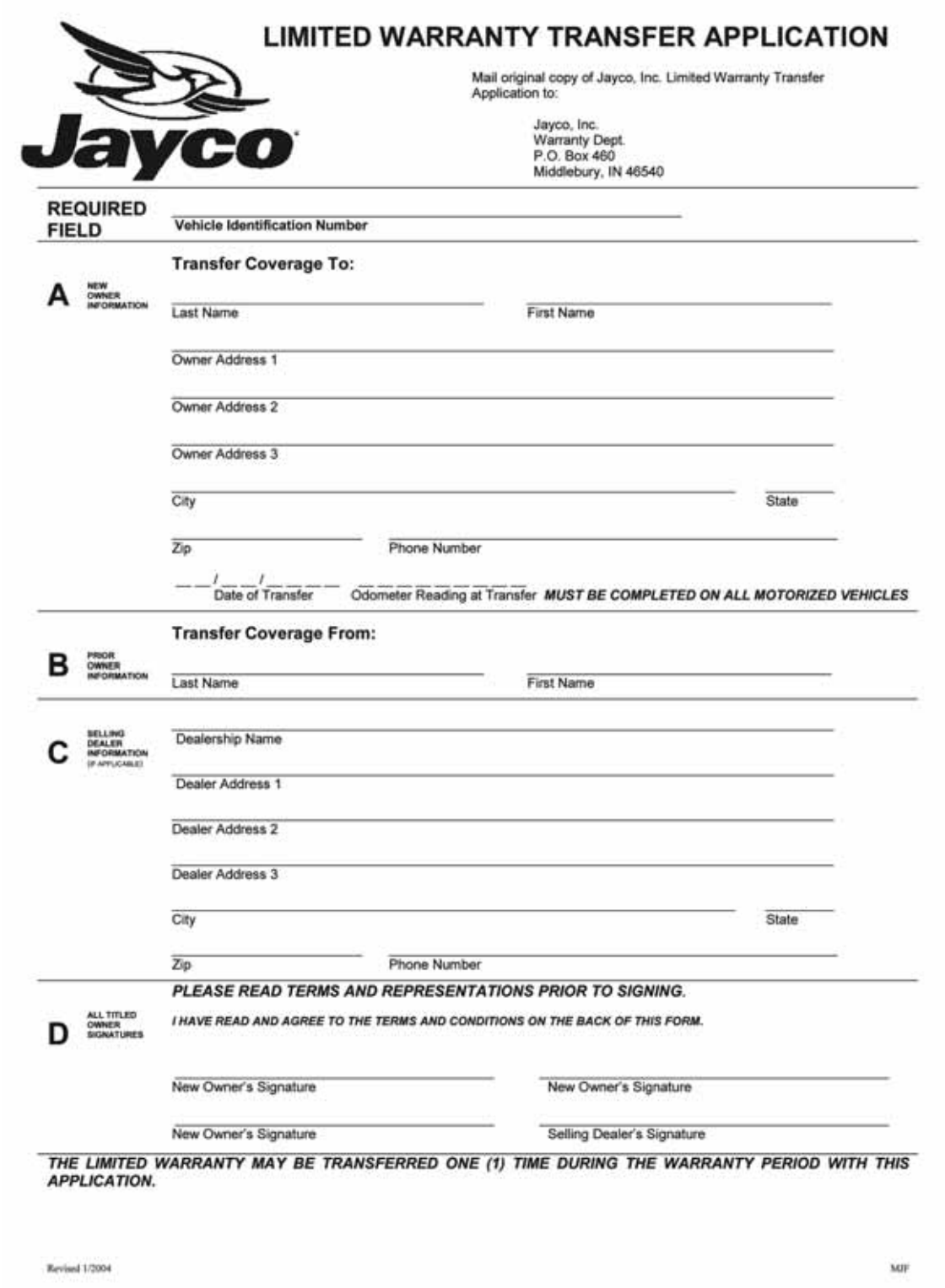
THE PURCHASER HAS INSPECTED OR BEEN GIVEN THE OPPORTUNITY TO INSPECT THE VEHICLE AND TAKE THE TEST DRIVE, SUPPLIED THE INFORMATION ABOUT HIS/HER NAME AND ADDRESS, BEEN GIVEN THE OPPORTUNITY TO MAKE NOTATIONS IN THE SPACE PROVIDED AND OBSERVED OR RECEIVED SATISFACTORY EXPLANATIONS ABOUT ALL ITEMS LISTED ABOVE.

DATE **PURCHASER'S SIGNATURE** **DEALER'S SIGNATURE**

SAMPLE

LIMITED WARRANTY TRANSFER APPLICATION

The warranty on your unit is transferable one (1) time only within the warranty period. This form as shown here and on the next page must be completed and sent to Jayco, Attention: After Market Services. If you have questions, consult with your independent, authorized dealer for assistance.



LIMITED WARRANTY TRANSFER APPLICATION

Mail original copy of Jayco, Inc. Limited Warranty Transfer Application to:

Jayco, Inc.
Warranty Dept.
P.O. Box 460
Middlebury, IN 46540

REQUIRED FIELD

Vehicle Identification Number

A NEW OWNER INFORMATION

Transfer Coverage To:

Last Name

First Name

Owner Address 1

Owner Address 2

Owner Address 3

City

State

Zip

Phone Number

__ __/__ __/__ __ __ __ Date of Transfer

__ __ __ __ __ __ __ __ __ Odometer Reading at Transfer

MUST BE COMPLETED ON ALL MOTORIZED VEHICLES

B PRIOR OWNER INFORMATION

Transfer Coverage From:

Last Name

First Name

C SELLING DEALER INFORMATION (IF APPLICABLE)

Dealership Name

Dealer Address 1

Dealer Address 2

Dealer Address 3

City

State

Zip

Phone Number

PLEASE READ TERMS AND REPRESENTATIONS PRIOR TO SIGNING.

D ALL TITLED OWNER SIGNATURES

I HAVE READ AND AGREE TO THE TERMS AND CONDITIONS ON THE BACK OF THIS FORM.

New Owner's Signature

New Owner's Signature

New Owner's Signature

Selling Dealer's Signature

THE LIMITED WARRANTY MAY BE TRANSFERRED ONE (1) TIME DURING THE WARRANTY PERIOD WITH THIS APPLICATION.

Revised 1/2004

MJF

TERMS AND REPRESENTATIONS

By my signature(s) on the face side of this form, and in order to induce Jayco, Inc. to transfer its Limited Warranty, I represent the following:

1. That I have received and read a copy of the Jayco Limited Warranty and Owner's Manual.

2. I understand that the unit is to be used only for recreational camping and travel.

3. That all information provided by me on the face side of this form is true and correct.

4. I understand that I am purchasing a pre-owned recreational vehicle and Jayco, Inc. does not make any representation as to is present condition.

SERVICE PROCEDURES

Basic Service Procedures

We are interested in your satisfaction. Only by having your complete confidence and satisfaction with our product and its service can we assure our continued success as manufacturers of recreation vehicles. We have found that continuing a pleasant and effective relationship through our independent, authorized dealers is equally as important as maintaining the technical excellence of our product. Your independent, authorized dealer will cordially assist you in providing service, maintenance, selection of options and instructions concerning the operation of your vehicle.

If you have a problem with your trailer that requires service, please follow these instructions in sequence.

Contact your selling independent, authorized dealer's service department for an appointment. Describe to the best of your knowledge the nature of the problem. Contact the owner or General Manager of the independent, authorized dealership if the initial attempt fails with the service department.
If further assistance is needed, contact:

After Market Services
Jayco Incorporated
P.O. Box 460
Middlebury, IN 46540
Email: service @jayco.com
Business Hours: Monday - Friday 8:00 - 5:00 EST

Give all the above information as requested along with the serial number of the unit in question and we will make every attempt to help you resolve your repair needs. **It is important that you contact your selling independent, authorized dealer before calling Jayco. In most cases, the independent, authorized dealer can provide the service you require.**

If you are traveling and are unable to locate an independent, authorized Jayco dealer, or an independent, authorized dealer for the component needing service, contact your selling independent, authorized dealer for assistance.

NOTE: Service at a non-authorized Jayco dealer should have prior authorization. You will be asked to return any mechanical parts replaced before reimbursement consideration is made. Unauthorized or improper repairs may void Jayco's warranty and the warranty on the component part.

Please keep your owner's manual, your copy of your warranty registration form and any other related papers in your RV.

Please bear in mind that most problems arise from misunderstandings concerning warranty coverage and service. In most instances, you will be referred to the dealer and your repair needs will be resolved at the dealer's facilities.

CALIFORNIA LEMON LAW NOTICE: If you have determined that your vehicle has non-conformities under the California Lemon Law, you must provide written notice of the claimed defects directly to Jayco, Middlebury, Indiana at the address for warranty service, and permit Jayco to perform a final repair attempt.

Independent, Authorized Dealer

When you purchased your Jayco RV, we trust you had a pleasant experience. We consider the network of independent, authorized Jayco dealers to be some of the best in the RV business. This group of independent contractors is an integral part of Jayco's continued success.

Throughout this manual, we will refer you to your independent, authorized dealer for assistance with certain component parts or procedures. If you are traveling outside your independent, authorized dealer's area, you are never far from another independent, authorized Jayco dealer, with over 300 dealerships in our network.

Your independent, authorized dealer has inspected and serviced your new Jayco RV. The independent, authorized Jayco dealers are available for service and maintenance to your trailer. All warranty repairs should be performed by an independent, authorized Jayco dealer unless Jayco gives prior approval.

Some RV dealers may be a service center for manufacturers of products warranted separately. To reduce delays, contact your independent, authorized dealer for service available through them. If your independent, authorized dealer is not a service center for the product or component part in question, they can assist you in finding service.

Parts

Parts are available at most dealerships or your independent, authorized dealer can order parts for you as needed. **All retail parts inquiries should be routed through your independent, authorized dealer.**

Owner's Responsibility

As a new owner of a Jayco recreation vehicle, you are responsible for understanding how your trailer, and its various component parts, work and need to be maintained. You are also responsible for the regular and proper maintenance of your RV. This will help you prevent conditions arising from neglect that are not covered by your Jayco Limited Warranty.

Maintenance service should be performed in accordance with this owner's manual and any other applicable manuals.

As the owner, it is your responsibility and obligation to return the RV to an independent, authorized dealer for repairs and service. Reference your Jayco Limited Warranty for additional information. Because the independent, authorized dealer where you purchased your RV is responsible for its servicing before delivery and has an interest in your continued satisfaction, we recommend that inspection, warranty and maintenance services be performed by that independent, authorized dealership.

Manufacturer's Customer Support Directory

The following chart provides information to contact individual manufacturers of appliances/component parts that may be part of your trailer. The information listed in this chart is the latest available at the time of publication of this manual. If you have questions or concerns on component parts not listed here, contact your independent, authorized dealer for further assistance.

Appliance	Manufacturer	Website	Phone #
Air Compressor	Senco Products	www.senco.com	800-543-4596
Air Conditioner	Coleman	www.rvcomfort.com/rvp/rvp.php	316-832-4357
Antenna, TV	Winegard	www.winegard.com	800-788-4417
Awning	Carefree of Colorado	www.carefreeofcolorado.com	800-622-3230
Carbon Monoxide Detector	Quantum	www.qginc.com/index.html	800-432-5599
Converter	Progressive Dynamics	www.progressivedyn.com	269-781-4241
Electric Bed Lift	Happijac	www.happijac.com	800-231-7440
Electric Rear Stabilizer Jacks	BAL	www.norcoind.com/bal/	800-347-2232
Entrance Step	Hickory Springs	www.hickorysprings.com	800-438-5341
Exhaust Fan	Ventline	www.ventline.com	574-848-4491
Fuel Station Pump	Great Plains	www.greatplainsindustries.com	800-835-0113
Furnace	Atwood	www.atwoodmobile.com	815-877-5700
Generator	Onan	www.onan.com	800-888-6626
Holding Tank Sprayer	B & B Molders	www.bandbmolders.com	574-259-7838
Landing Gear	Atwood	www.atwoodmobile.com	815-877-5700
Landing Gear Remote Control	Alta Resources, LLC	www.alatresourcesllc.com	800-837-2059
Microwave	Whirlpool	www.whirlpool.com	800-253-1301
Monitor Panel	KIB	www.kibenterprises.com	800-250-7051
Outside Grill	Vitco	www.vitco.com	877-736-2635
Outside Shower	B & B Molders	www.bandbmolders.com	574-259-7838
Power Attic Fan	Ventline	www.ventline.com	574-848-4491
Power Lift Bed	Happijac	www.happijac.com	800-231-7440
Propane Detector	MTI	www.mtiindustries.com	800-383-0269
Propane Cylinder	Manchester Tank	www.manchestertank.com	800-877-8265
Propane Regulator	Marshall Brass	www.marshallbrass.com/rv.htm	800-447-9513
Range Hood	Ventline	www.ventline.com	574-848-4491
Range	Atwood	www.atwoodmobile.com	815-877-5700
Refrigerator	Norcold	www.norcold.com/norcold_home.cfm	800-543-1219
Screen Room	Carefree of Colorado	www.carefreeofcolorado.com	800-622-3230
Retractable Screen Wall	LaSalle-Bristol	www.lasallebristol.com	574-295-4400
Slideout System - Main Room	V-tech	N/A	574-294-6409
Slideout System - Bedroom	Lippert	www.lippertcomponents.com	866-524-7821
Smoke Detector	MTI	www.mtiindustries.com	800-383-0269
Television	RCA	www.rca.com	N/A
Tires	Contact your local tire distributor for assistance		
Thermostat	Coleman	www.rvcomfort.com/rvp/rvp.php	316-832-4357
Toilet	Thetford	www.thetford.com/thetford_home.cfm	800-521-3032
Tongue Jack	Atwood	www.atwoodmobile.com	815-877-5700
Trailer Frame	Leland	www.lelandengineering.com	800-669-7681
Water Filter	Flowmatic	www.flowmatic.com	800-461-4406
Water Heater	Atwood	www.atwoodmobile.com	815-877-5700
Water Pump	Shur-Flo	www.shurflo.com	800-854-3218

SAFETY

SAFETY CONSIDERATIONS

The safe operation of your trailer requires that you use common sense and follow safety procedures as defined in this manual and all supplied information from specific component part manufacturers. In this manual, there are specific terms and symbols to indicate areas of potential hazards, which are based upon the ANSI Z535 series of safety information. Make sure you understand the use of these terms and symbols as defined here.

NOTE provides additional information to make a step or procedure easier or clearer. Disregarding a NOTE could cause inconvenience, and would not be likely to cause damage or personal injury.

Caution used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

- This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow to avoid possible injury or death.

CAUTION: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.

Reporting Safety Defects

If you believe that your vehicle has a defect, which could cause a crash, injury or death, immediately inform the appropriate agency, in addition to notifying Jayco, Inc. If similar complaints are received, the agency may open an investigation. If they find a safety defect exists in a group of vehicles, a recall and remedy campaign may be ordered. The agency cannot become involved in individual problems between you, your independent, authorized dealer or Jayco, Inc.

NHTSA	Transport Canada	Customer Relations Dept.
U.S. Department of Transportation	Road Safety (ASFAD)	Jayco Incorporated
Washington, D.C. 20590	2780 Sheffield Road, Ottawa, Ontario K1B 3V9	P.O. Box 460, Middlebury, IN 46540
Phone: 1-800-424-9393	Fax: (613) 993-3632	Email: service@jayco.com
Washington, D.C. Area: 368-0123	Phone: (613) 991-5802	Hours: 8:00-5:00 Mon.–Fri.

You can obtain other information about motor vehicle safety from the NHTSA Hotline.

Safety in Using Propane

We recommend that all work on the propane system be performed by your independent, authorized dealer or a propane dealer. The following information is provided to give a basic understanding of propane.

Your recreation vehicle is equipped with a propane system to help provide some of the comforts of home. This system is very dangerous. Proper handling of propane, knowledge of your system and routine maintenance are key factors to your safety and that of others around you. The following list provides basic information for propane safety:

- Propane is heavier than air. Leaking propane tends to flow to and pocket in low areas, such as the trailer floor.
- Propane is colorless and odorless. A chemical odorant, smelling similar to rotten eggs, is added by the propane manufacturer to make sure leaks are identifiable, which can normally be smelled if there is a leak.
- Never light a match or allow any open flame in the presence of leaking propane or the smell of propane.
- Turn off propane while refueling the tow vehicle.
- Some states prohibit propane appliances to be operated during travel, especially in tunnels. Make sure you know the laws for the areas where you travel.
- Never allow propane containers to be filled above the liquid capacity as indicated on the container. If a container is overfilled, liquid propane may flow through the regulator causing it to freeze and/or create dangerously excessive pressure in the lines. Make sure that an overfilled container is taken care of by a propane professional before it is put into service.
- An overfilled container placed in sunlight may expel excess propane through the relief valve. This causes susceptibility to ignition by nearby open flame.

Taking time to become educated about propane and how it should be handled are critical to your camping experience. If you have questions, consult with your independent, authorized dealer or propane professional.

Checking for Leaks

Propane is both colorless and odorless. For your safety, a chemical agent is added by the propane manufacturer, which smells similar to rotten eggs. If you are not accustom to the smell of propane, ask your independent, authorized dealer or propane service personnel to help you and your family become familiar with it.

Vibration from travel can cause connections to loosen. This requires that the propane system be checked periodically for leaks. The system has been tested by the manufacturer and Jayco recommends that the independent, authorized dealer test the system as well. However, continued maintenance is recommended for safe operation.

TO LEAK TEST THE PROPANE SYSTEM:

- Use an appropriate propane detector solution or create a soapy water solution. **If soapy water is used, make sure that the soap used does not contain ammonia or chlorine.**
- Apply the solution to all propane piping connections.
- If a leak is present, the soap will bubble at the connections.

WARNING: DO NOT USE A FLAME OR LIGHTED MATCH TO TEST FOR LEAKS.

IF A LEAK IS DETECTED:

- Turn off all appliances which utilize propane.
- Make sure that everyone is out of the RV, including pets.
- Turn off the propane at the cylinder(s).
- Take your RV to your independent, authorized dealer and have the system repaired before using it again.

WARNING: WE STRONGLY RECOMMEND THAT YOU HAVE A PROFESSIONAL TEST YOUR PROPANE SYSTEM FOR LEAKS ONE (1) TIME EACH YEAR AS PART OF NORMAL MAINTENANCE.

Electrical System Safety

Circuit breakers and fuses are installed to protect electrical circuits from overloading. Do not make unauthorized changes to circuitry or add on fixed appliances. If you wish to make changes, consult your independent, authorized dealer and they will assist you in obtaining a safe installation.

An approved power cord has been supplied with the vehicle. Always use this cord for hook-up to 120-volt shoreline power. The cord has a four pin plug, which provides proper grounding through the fourth (round) pin. Grounding is personal protection from electrical shock.

WARNING: Do not use an adapter, cheater, or extension cord that will break the continuity of the grounding circuit connected to the fourth pin. NEVER remove the grounding pin to connect a non-grounded, three-prong receptacle. Any deviation from this will potentially cause a fire from overheating.

Water System Safety

The following warning label is placed on the exterior of your trailer at each water tank inlet. Make sure you read, understand and follow this label and all applicable instructions.

WARNING: POTABLE WATER ONLY. SANITIZE, FLUSH AND DRAIN BEFORE USING. SEE INSTRUCTION MANUAL. FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

Fuel Safety

Your trailer may be equipped with one or two fuel tanks to transport fuel for the generator and/or fuel station options. For your protection and others with you, it is critical that you understand the danger associated with fuel and how to safely handle it. Make sure that you read, understand and follow all information supplied with your trailer about fuel and the equipment that uses it. Take time to become educated about the property of fuel and how it is safely handled and used.

DANGER:

- **Automotive fuels can cause serious injury or death if misused or mishandled.**
- **Extinguish all smoking materials and any open flames before fueling your built in tanks.**
- **Always turn off spark producing appliances such as water heaters, furnaces and the tow vehicle engine before fueling your built in tank(s).**
- **Do not overfill tank(s). The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire.**
- **Do not replace the fuel fill cap with one of a different type. Use of a substitute cap may create excessive fuel system pressure, resulting in fuel station damage and improper operation in a collision. If you have further questions, consult your independent, authorized dealer for assistance.**

FAILURE TO COMPLY COULD RESULT IN FIRE, DEATH OR SERIOUS INJURY.

FUEL STATION

Read, understand and follow all safety information in the fuel station manufacturer's supplied information and this manual before operating the fuel station. If you need further assistance, consult with your independent, authorized dealer and/or visit the fuel pump manufacturer's website at www.greatplainsindustries.com.

The following warning label is placed inside the fuel station compartment.

DANGER: NO SMOKING. BEFORE DISPENSING FUEL TURN OFF ALL ENGINES, FUEL BURNING APPLIANCES AND THEIR IGNITERS (SEE OPERATING INSTRUCTIONS). GROUND THE RV. DO NOT DISPENSE FUEL WITHIN 20 FEET OF AN IGNITION SOURCE OR WITHIN 10 FEET OF ANOTHER RECREATION VEHICLE OR STRUCTURE.

FAILURE TO COMPLY COULD RESULT IN FIRE, DEATH OR SERIOUS INJURY.

The trailer is equipped with a master fuel pump disconnect switch located on the exterior of the fuel station. Make sure this switch is turned "OFF" when the fuel station is not in use.

A grounding clip is attached to the fuel nozzle. This clip MUST be attached to the item or vehicle being fueled to ground it to the trailer.

DANGER: Make sure the grounding clip is always attached to the item or vehicle receiving fuel. Failure to comply could result in fire, death or serious injury.

Transportation of Cargo

Your recreation vehicle has been designed to haul and store motorized vehicles or equipment. The following safety warning label is located in your trailer.

DANGER: Any motorized vehicle or motorized equipment powered with flammable liquid can cause fire, explosion or asphyxiation if stored or transported within the recreation vehicle. To reduce the risk of fire, explosion or asphyxiation:

- **Passengers shall not ride in the vehicle storage area while vehicles are present.**
- **Doors and windows in walls of separation (if installed) are to be closed while the vehicles are present.**
- **Run fuel out of engine of stored vehicles after shutting off fuel at the tank.**
- **Do not store or transport motor fuel inside this vehicle.**
- **Ventilate the vehicle storage area.**
- **Do not operate propane appliances, pilot lights, or electrical equipment when motorized vehicles or motorized equipment are inside the vehicle.**

FAILURE TO COMPLY COULD RESULT IN INCREASED RISK OF FIRE, EXPLOSION OR ASPHYXIATION.

Fire Extinguisher

A fire extinguisher is installed in each vehicle and is located near the entrance door in the trailer. Be familiar with its location, operating instructions as printed on the extinguisher, and any material from the extinguisher supplier or manufacturer. It is too late to become familiar with an extinguisher when an emergency is at hand.

The fire extinguisher is a dry chemical, nonrefillable extinguisher. Do not test this extinguisher by partially discharging. Doing so will cause loss of pressure making the extinguisher unusable. The extinguisher must be discarded and replaced by a new one if any use has occurred.

INSPECTION AND MAINTENANCE

To insure that your fire extinguisher will be ready when needed:

- Read and follow all instructions on label and in owners manual.
- Inspect the extinguisher AT LEAST once a month - more frequently if exposed to weather or possible tampering.
- Check pressure by pressing in white indicator button. If button does not spring back, extinguisher will not work properly and must be discarded.
- Be sure the yellow lock pin is firmly in place.
- Keep the extinguisher clean. Check for dents, scratches, corrosion or any other damage.

- Check the discharge nozzle. Make sure it is clean and free of obstructions.

CAUTION: Under certain fire and heat conditions, the dry chemical powder in this extinguisher (and similar units) will cause damage or prove extremely difficult to remove from oven surfaces, including self-cleaning models. Do not use self-cleaning feature to remove ABC Powder.

CAUTION: Avoid inhaling the dry chemical agent contained in the extinguisher. It is not toxic, but may cause skin irritation. In case of contact, flush affected area with clean, cool water. If irritation persists, contact a physician immediately. Chemical name of agent is printed on extinguisher label.

Carbon Monoxide Detector

Carbon monoxide (CO) is an odorless, colorless, tasteless gas that is extremely dangerous to humans and animals. The following table contains symptoms indicative of individuals exposed to carbon monoxide:

Symptoms of Carbon Monoxide Exposure		
Mild	**Medium**	**Extreme**
Headache	Fatigue (often described as “flu” like symptoms)	Unconsciousness
Running nose	Dizziness	Convulsions
Sore eyes	Drowsiness	Brain damage
Nausea	Confusion	Cardio respiratory failure
Vomiting	Fast heart rate	Death

DANGER: Any amount of exposure to CO is dangerous and must be taken care of before reentering the RV. If anyone develops symptoms as listed, make sure that everyone gets to an area of fresh air. Failure to do so could result in death or serious injury.

A carbon monoxide detector has been installed in your RV. It is designed to detect the presence of CO. It is not designed to function as a detector or alarm for other gases such as propane, fire or smoke. Information has been supplied by the carbon monoxide detector manufacturer for operation, safety and maintenance. Make sure that you read, understand and follow all information supplied by the CO detector manufacturer with your RV.

Smoke Detector

A smoke detector is supplied with your trailer. This safety device must be correctly maintained to work properly and warn you of smoke in your trailer. Make sure that you read, understand and follow all warnings, cautions, operating and maintenance instructions supplied by the smoke detector manufacturer.

WARNING: Improper maintenance of the smoke alarm as instructed by the smoke alarm manufacturer creates the potential for property damage, personal injury or death. Make sure that everyone knows and understands the procedures to follow if the alarm is sounded.

Also, you need to heed the warning label that has been affixed in your trailer adjacent to the smoke detector. The label reads as follows:

> **WARNING**
>
> **TEST SMOKE ALARM OPERATION AFTER VEHICLE HAS BEEN IN STORAGE, BEFORE EACH TRIP, AND AT LEAST ONCE PER WEEK DURING USE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY.**

Safety When Emergency Stopping

Pull off the roadway as far as possible for emergency situations and turn on the tow vehicle's hazard warning flashers. If necessary, display your road flags and/or reflective triangular highway warning devices.

NOTE: Always carry road flags and/or reflective triangular highway warning devices to be displayed when necessary.

Changes, Modifications and Additions

Your RV has been built/designed with a specific floor plan and equipment. It is recommended that you do not make changes, modifications, alterations or additions to your unit. If any changes or additions are made after delivery of your trailer to you, it may cause a hazardous condition. Consult your local independent, authorized dealer prior to making any changes, modifications or additions. Only qualified technicians should attempt to make changes or additions to the RV, using only approved materials, component parts, and employing approved methods of installation, which meet safety and code requirements.

CAUTION: Any installation not properly performed or that does not meet the criteria of the manufacturer's specifications, or code requirements, may damage the RV, including component parts and VOIDS THE WARRANTY on the RV.

WARNING: Improper installation of equipment to your trailer creates potential for a hazardous situation and personal injury. Make sure that a qualified RV technician performs modifications if you choose to make them.

Additional Safety Considerations

WARNING: For traveling safety, it is extremely important to read, understand and follow the towing, hitching and loading cargo information provided in the Before you Travel... chapter. If you do not understand the information provided, please consult your independent, authorized dealer.

- Sanitize the fresh water supply system periodically (see sanitizing instructions).
- Prevent the water connection fittings from coming in contact with the ground or drain hose to reduce chance of contamination.
- Have a certified RV technician repair and maintain the propane or electrical appliances.
- Carefully read the loading section in the "Before you Travel..." chapter related to your trailer.
- Always have a serviceable fire extinguisher placed in an easily accessible location.
- Ensure that the tires are in good condition and properly inflated. Monitor the tire pressure closely for proper inflation. Neglecting to do so could result in overheating of a tire, which could result in a blowout.
- Check and tighten the wheel lugs after the first 10 miles, 25 miles and then again after 50 miles (16, 40 and 80 kilometers). Check periodically as described in the axle manufacturer's owner's manual thereafter.
- Check the brakes in a safe area - not while traveling on a busy highway.
- Always block the trailer wheels solidly before unhitching from the tow vehicle.
- Never move the unit while people are inside.
- Before leaving a camp area towing a trailer, refer to the "Preparing to Travel Home..." chapter and review all applicable instructions.
- Observe the warning labels attached to your vehicle concerning propane, water, electricity and loading.
- Observe the maintenance chart in this manual and all applicable information supplied by component part manufacturers related to your respective unit.

COLD WEATHER/EXTENDED USE

Your trailer has been built for enjoyment in a recreational manner. It is not intended to be used as full-time living quarters.

Caution: Continuous living in your trailer could cause accelerated wear and damage to component parts. It also voids the warranty.

- Use of this trailer during cold weather will require more protection. Using skirting or insulation below floor level will provide additional protection if you are camped in one area for an extended period.
- Proper care should be taken with the fresh water and drainage systems to avoid freezing problems. Consult with your independent, authorized dealer or RV supply house for advice on heat tapes, etc.
- Adequate propane and electrical supply is needed along with protection from possible freeze-ups on propane regulator. The furnace will substantially increase battery draw and propane use.

- During cool weather usage, ventilation or the addition of a dehumidifier may be required to reduce condensation. See the next section for important information on controlling condensation.
- An optional winter insulation package may have been added to your unit. If you have this feature, a larger furnace and extra insulation were added to protect your unit from colder weather. Some or all of the above notes may still be applicable to your RV.

CONDENSATION

Condensation is a natural phenomenon. The amount of condensation will vary with the climate conditions, particularly the relative humidity. Condensation occurs because there is water vapor present in the air, which each of us adds by breathing, bathing and cooking. The water vapor collects where there is available air space, and when the temperature reaches the 'dew point' the water vapor in the air condenses and changes to liquid form. Most people have experienced a similar phenomenon when moisture forms on kitchen windows and bathroom mirrors during cool weather.

Proper ventilation and, if needed, the use of a dehumidifier will assist in controlling the condensation. Many RV and marine dealers carry small dehumidifiers especially sized for recreation use. Condensation causes dampness, mildew, staining and if allowed to continue at high levels, damage to the paneling and wood structures.

INSURANCE

As with your automobile, it is important that you protect yourself and others with insurance coverages for personal liability, theft, collision, property damage, etc. Your dealer will assist you in obtaining appropriate insurance for your protection or you may check with the company which provides your automobile insurance.

NOTES

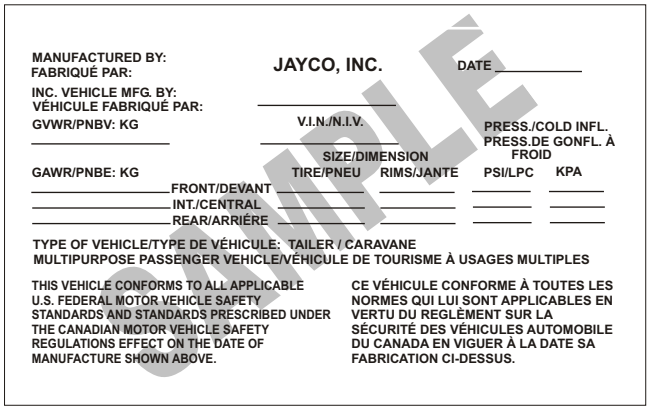
BEFORE YOU TRAVEL...

WEIGHTS AND CARGO CAPACITY

The safety of your travel will be affected by your understanding of weights and cargo distribution for your trailer. Read, understand and follow all information related to the weight of your trailer. We provide the following labels on your trailer (copies are printed here):

- The Federal Certification label (Fig. 1) is affixed to the roadside front corner of your trailer. It lists the vehicle weights as well as the tire and axle rating information.
- The Trailer Weight Information label (Fig. 2) is typically located inside a lower cabinet close to the entrance door. This label is critical in understanding trailer weight definitions. Please read, understand and follow all of these definitions. In addition to the label information, the GAWR is the maximum weight rating that components of each axle are designed to support (i.e. tires, brakes, springs, axle). Information that seems unclear should be discussed with your independent, authorized dealer.

The weights of your unit are the models dry weights with standard equipment. **It is critical that you do not exceed the gross vehicle weight rating (GVWR) of your trailer.** As you begin to load your personal cargo, remember that what you load as well as options that have been added will affect the overall weight. **Never exceed the gross vehicle weight rating of your unit.**



MANUFACTURED BY:
FABRIQUÉ PAR:
JAYCO, INC.
DATE _____
INC. VEHICLE MFG. BY:
VÉHICULE FABRIQUÉ PAR:
GVWR/PNBV: KG
V.I.N./N.I.V.
PRESS./COLD INFL.
PRESS.DE GONFL. À FROID
SIZE/DIMENSION

GAWR/PNBE: KG		TIRE/PNEU	RIMS/JANTE	PSI/LPC	KPA
_____	FRONT/DEVANT	_____	_____	_____	_____
_____	INT./CENTRAL	_____	_____	_____	_____
_____	REAR/ARRIÉRE	_____	_____	_____	_____

TYPE OF VEHICLE/TYPE DE VÉHICULE: TAILER / CARAVANE
MULTIPURPOSE PASSENGER VEHICLE/VÉHICULE DE TOURISME À USAGES MULTIPLES

THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

CE VÉHICULE CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU REGLÈMENT SUR LA SÉCURITÉ DES VÉHICULES AUTOMOBILE DU CANADA EN VIGUER À LA DATE SA FABRICATION CI-DESSUS.

SAMPLE

Fig. 1

TRAILER WEIGHT INFORMATION

VIN or SERIAL NUMBER _____
MODEL _____

GVWR (Gross Vehicle Weight Rating) is the maximum permissible weight of this trailer when separated from the tow vehicle.

UVW (Unloaded Vehicle Weight) is the total weight of this trailer as manufactured at the factory when separated from the tow vehicle. If applicable, it includes full generator fuel, engine oil, and coolants.

CCC (Cargo Carrying Capacity) is equal to GVWR minus each of the following: UVW, full fresh (potable) water weight (including the water heater), full propane weight.

GCWR (Gross Combination Weight Rating) means the value specified by the trailer manufacturer as the maximum allowable weight of this trailer with its towed trailer or towed vehicle.

**The GCWR of this trailer is:

CARGO CARRYING CAPACITY (CCC) COMPUTATION

Pounds / Kilograms (kg.)

GVWR.....
Minus UVW.....
Minus fresh water weight of ____ gallons @ 8.33 Lbs./gal. ....
Minus propane weight of____ gallons @ 4.24 Lbs./gal.....
CCC for this trailer*.....

*Dealer installed equipment will reduce the CCC.

**This trailer is not recommended or intended to be used to tow any other vehicle or trailer.

CONSULT OWNER MANUAL(S) FOR SPECIFIC WEIGHING INSTRUCTIONS AND TOWING GUIDELINES.

SAMPLE

Fig. 2

WARNING: Do not add accessories or components that are not safe and appropriate for this product. These changes will effect weight specifications, void the warranty, and adversely effect handling and stability of the unit, as well as accelerate wear to other component parts. Jayco, Inc. DOES NOT provide warranty coverage for equipment installed by the independent, authorized dealer or owner.

WARNING: Do not exceed your GVWR. Your recreation vehicles load capacity is designed by weight, not by volume. You can not necessarily use all available space when loading the vehicle.

LOADING CARGO

WARNING: Do not load or unload your trailer without first blocking all wheels to prevent trailer movement. Movement during loading or unloading may cause the cargo ramp door to shift and the front landing legs (fifth-wheel models) or tongue jack (travel trailer models) to bend. Failure to proper block wheels may result in the loss of control, property damage, injury or death.

After you have read and understand the overall weight definitions and limits to your trailer, you are ready to load it for travel. With the excitement of awaiting adventures, everyone will want to take along everything they might possibly need. This is where careful planning and preparation will help to insure a safe trip. As you develop a routine for loading your cargo, it may be helpful to utilize checklists and other resources. You will find a list of items which are often used at campsites at the end of this chapter. This list will give you a place to start when preparing your trailer for travel. Keep in mind that your preferences and specific camping situation will determine items you would eliminate or add to this list.

Of most importance, above personal preferences, is the overall amount of cargo packed and the way it is placed in the trailer. As cargo is placed in the unit, pay particular attention to where you place it. Follow these rules of thumb:

- Observe ALL capacity ratings to avoid problems. In addition, make sure that you never load your trailer or tow vehicle in a manner that cause them to exceed the GVWR, GCWR, GAWR (of any axle) or weight ratings of an individual tire.
- Your sport utility trailer cargo ramp has a maximum weight capacity of #2500 in the vehicle loading mode. Make sure that you never exceed this maximum capacity.
- Make sure that you do not exceed the maximum weight of your trailer's cargo bay. Your trailer has a label located in the cargo bay to indicate the capacity of this compartment. If you have questions, consult with your independent, authorized dealer for assistance.
- Heaviest items must be stored in lower cabinets and storage areas.
- Keep the majority of the cargo weight over the axles and toward the front of the unit.
- Maintain the proper tongue weight of the trailer. Stay within the target range of 10-15% of the overall gross weight (trailer weight plus contents). Fifth-wheel trailers typically maintain 25% of their overall gross weight (trailer weight and contents) on the hitch.

- Always pack items evenly from side to side to maintain trailer balance.
- Make sure that all items are secured in place to prevent shifting during travel. Your sport utility trailer has heavy duty d-rings mounted in the cargo area for securing the load.

WARNING: Ensure you are loading the unit as evenly as you can for the best possible handling. All items must be secured to avoid shifting during travel.

WARNING: The exterior ladder must be removed and secured inside the trailer prior to moving the trailer. Failure to remove it will cause the trailer to exceed the maximum allowable width for use on any roadway, and may result in damage or personal injury.

When all items have been loaded into your trailer, weigh it to determine that you have remained within the maximum capacities for the trailer and tow vehicle. Refer to the weighing instructions in this manual. If you are overloaded, you must remove or redistribute some of your cargo or liquids. You may also want to take a “shake down cruise” before hitting the road to verify that all items are secure and the trailer tows as it should.

The following warning label is attached to your trailer to remind you of proper loading:

WARNING

PROPER ATTENTION MUST BE TAKEN TO ASSURE TOWING AND TRAVELING SAFETY. CONSULT YOUR OWNER'S MANUAL FOR SPECIFIC LOAD DISTRIBUTION, WEIGHING INSTRUCTIONS AND TOWING GUIDELINES.

(1) LOAD THE CARGO BAY FROM FRONT TO BACK KEEPING HEAVIER VEHICLES/ITEMS TO THE FRONT OF THE CARGO BAY AREA.

(2) LOAD ALL VEHICLES/EQUIPMENT EVENLY FROM SIDE TO SIDE IN THE CARGO BAY.

(3) SECURE ALL VEHICLES/ITEMS TO PREVENT LOAD SHIFTS DURING TRANSIT.

(4) AFTER LOADING WEIGH THE TRAILER AT THE HITCH, EACH AXLE, AND EACH WHEEL. OBSERVE ALL TRAILER GROSS, AXLE, AND TIRE RATINGS.

(5) IF THE WEIGHT OF THE LOADED TRAILER EXCEEDS ANY OF THE RATINGS AS LISTED ON THE CERTIFICATIONS LABEL LOCATED ON THE FRONT LOWER LEFT OUTSIDE WALL THEN REMOVE OR REDISTRIBUTE THE CARGO LOAD UNTIL THE WEIGHT(S) ARE LESS THAN THE MAXIMUM RATINGS.

FAILURE TO COMPLY COULD RESULT IN AN ACCIDENT OR LOSS OF CONTROL RESULTING IN DEATH OR SERIOUS INJURY.

CARGO RAMP DOOR OPERATION

The cargo ramp door and cargo bay on your sport utility trailer is rated at 2500#. Do not exceed this amount at any time.

TO OPEN THE RAMP DOOR:

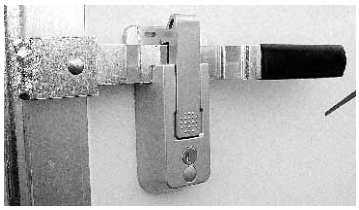


Fig. 3

1. The door has a spring assist attached to it to aid in opening and closing the door.
2. Select a site for unloading that will provide a level/flat surface for the ramp to rest on. Block the wheels to prevent the trailer from moving.
3. The transition angle between the rear of the cargo floor and the cargo door ramp can be lessened by raising the front of the trailer with the front landing legs (fifth-wheel models) or tongue jack (travel trailer models). This should be done prior to lowering the cargo ramp door to avoid damaging the door and extension ramp. A rear mounted switch has been provided for this purpose on fifth-wheel models.
4. Unlock the vise latches securing the bar latches.
5. Push up on the bar latches that are holding the door in place (Fig. 3).
6. Move the handle to the outside of the trailer to avoid contact when opening the ramp door.
7. Using the attached grab handles, pull the door open. Make sure there are no people or equipment in the way when opening the door. Support the door at all times and do not let it drop to the ground.

TO CLOSE THE RAMP DOOR:

1. As the trailer is being loaded, make sure that the vehicles/equipment does not damage the door seals.
2. Remove any debris (sand, snow, etc.) from around the door before it is closed.
3. Lift up on the end of the ramp until it is in the closed position.
4. Lock the ramp door in place by placing the bar latches into the vice latches.
5. Secure the ramp door by locking the vice latches. Do not move the trailer until the cargo ramp door is secured.

Inspect all door components each trip for wear or damage and make necessary repairs for safety in operation and towing.

WARNING: DO NOT SLEEP IN THE CARGO BAY AREA WHILE INTERNAL COMBUSTION ENGINES ARE BEING STORED OR TRANSPORTED IN THE SPORT UTILITY TRAILER. FAILURE TO COMPLY MAY RESULT IN DEATH OR SERIOUS INJURY.

REAR BUMPER

CAUTION: Do not add items to the trailer's rear bumper. Attachments to the bumper could damage the trailer and lead to adverse driving and towing conditions.

Your trailer's rear bumper is not designed to accommodate items attached to or carried on it. Damage from improper modifications to the trailer is not covered by the Jayco Limited Warranty.

HOLDING TANK(S) AND TRAILER WEIGHT

WARNING: We recommend that you DO NOT travel with waste in your holding tanks. With one or more full or nearly full holding tank(s), the towing characteristics of your trailer could change and may result in property damage or personal injury.

The weight of holding tank contents are not calculated into the cargo carrying capacity of the trailer. The extra weight will diminish the cargo capacity available to you. Traveling with full holding tank(s) could possibly cause you to exceed the gross axle weight rating(s), individual tire ratings and/or the gross vehicle weight rating (GVWR) of the unit. Potential damage to suspension components, such as springs, tires and axles, could result.

If your trailer's holding tank(s) are located behind the axles, the weight of the full tank(s) will reduce the hitch weight. Trailer sway and other handling difficulties can be the result of the hitch weight being too light.

If you are dry camping and cannot immediately empty the tank(s), use caution when towing. Maintain lower speeds for better control of the trailer until you reach the nearest dumping station.

WEIGHING INSTRUCTIONS

As your packing and loading routine becomes more familiar from experience, physically weighing your trailer may not be necessary before each trip. While you are developing a process, it is imperative that you verify compliance within the weight ratings. Overloading your RV voids the Jayco limited warranty and the warranties of many component part manufacturers. The following process will aid with weighing your trailer. Keep in mind that individual scales will operate differently. The surroundings of the scale need to be adequate to accommodate weighing each side of your trailer. Please read through all weighing instructions before you begin. If you have further questions, consult with your independent, authorized dealer or the scale operator.

Your recreation vehicle must be weighed fully loaded, that is, with food, clothing, fuel, water, propane, supplies, etc.

TO PROPERLY WEIGH YOUR RECREATION VEHICLE:

1. First, weigh the recreation vehicle including the tongue weight, while detached from the tow vehicle. This actual overall weight must be less than or equal to the GVWR for safe operation. If the overall weight is greater than the GVWR, some contents must be removed until the actual overall weight is less than or equal to GVWR.
2. Next, hitch the recreation vehicle to your tow vehicle. Weigh the recreation vehicle and the tow vehicle to determine the GCW. Make sure that this rating is less than or equal to the GCWR as specified by the manufacturer of your tow vehicle. If this overall weight is greater than the GCWR, some contents must be removed to bring the combination into compliance with the listed ratings.
3. Next, weigh the recreation vehicle, while attached, but excluding the tow vehicle. This will result in the actual weight that is exerted on all of the recreation vehicle tires. This weight may be subtracted from the overall recreation vehicle weight GVWR to determine the actual “tongue” weight.
4. Next, with the recreation vehicle still attached to the tow vehicle, each wheel position should then be weighed separately to ensure each tire is not overloaded.

To Determine the Wheel Position Weight:

- Pull the recreation vehicle onto the scale so only one tire is on the scale. Record the weight. Your trailer must remain as level as possible on the scale (even though an axle or side is not physically on the scale). Obviously, to obtain the side-to-side weights, there must be enough space on either side of the scale to accommodate the recreation vehicle being partially off the scale.
- To calculate the opposite side of the vehicle wheel position weight, subtract the first side’s weight from the weight determined in step #3.

If there is a difference in the weights on one side of the vehicle as compared to weights on the other side, components (tires, wheels, brakes, springs, etc.) on the heavier side could be overloaded, even though the total axle load is within the GAWR. It is important to redistribute the load to avoid component failure, to improve the handling characteristics of the vehicle and to not void the warranty.

With these actual weights, it is now possible to compare them against the GAWR, GVWR and tire capacities.

EQUIPMENT

The compatibility of your tow vehicle to the load you are towing is of utmost priority for safety during your travel. There are many resources available to become educated about tow vehicles and what you will need. Make sure that you understand what it will take to tow your trailer, and that your tow vehicle matches those needs. If you are unsure of your particular needs, consult with your independent, authorized dealer or hitch professionals for assistance.

The following sections are designed as review topics that you need to understand for a safe and enjoyable traveling experience. They are not intended as a replacement for consulting your independent, authorized dealer and hitch professionals.

Tow Vehicle

- Crucial to finding the correct tow vehicle, is knowing the actual load weight you are towing. Refer to the sections found later in this chapter for this calculation on your trailer.
- When purchasing a tow vehicle, know its tow rating. As a minimum requirement, the gross vehicle weight rating (GVWR) of your trailer must not exceed your tow vehicles rated towing capacity. To obtain this information, consult the following resources:
  - Tow vehicle owner's manual
  - Manufacturer's towing guide
  - Auto Dealer
  - Manufacturer's information office
  - Reliable Internet Sources
- Know what the definition is for the tow rating. Adding after market accessories, camping supplies, liquids (i.e. water, propane, etc.) and people will affect the tow rating. Read, understand and follow all trailer weight definitions.
- The best way to make sure your tow vehicle/trailer combination does not exceed the GCWR is to weigh it fully loaded.
- Some vehicles can be purchased with a towing package. This will enhance the vehicles towing capacity. Make sure that any information given on the vehicle's maximum towing capacity is clarified to be with or without the towing package.
- Towing packages are available at different levels. Vehicles can be purchased with no, light or heavy duty towing packages. Make sure you are purchasing a towing package that will fit your needs and your trailer.
- Most vehicles require additional equipment for towing. Consult with your independent, authorized dealer for assistance with added requirements. Becoming familiar with the extra engine requirements from towing will provide you with vehicle longevity and a more pleasant towing experience.
- Make sure your tow vehicle is mechanically sound for towing your trailer. Pay particular attention to suspension components, tires and tire pressure.

WARNING: Be prepared to drive slower. If you must pass, do so with the utmost care, particularly in strong winds. When being passed or passing semi-trailers or large buses, be prepared for displaced air, as it can be severe enough to cause trailer sway. Understand how trailer brakes, tow vehicle brakes, acceleration, the proper hitch and sway controls can affect your control of the trailer when you experience trailer sway.

SPORT UTILITY TRAILER ONLY

Hitches

CAUTION:

- **Using an oversized or undersized hitch can cause damage to the frame of your sport utility trailer.**
- **Jayco, Inc. cannot be responsible for the suspension system of the tow vehicle.**
- **The final hitch ball height after the sport utility trailer is completely hooked up is a factor to be considered when towing a trailer. It is important that your trailer be level when hitched to your tow vehicle..**
- **To avoid overloading your trailer axles and minimize possible handling difficulties, your trailer should be level when hooked to your tow vehicle.**
- **Do not overload your tow vehicle.**

There are many kinds of hitches available for various uses and assuring that you have the correct hitch installed is critical to a safe towing experience. Your trailer requires a frame mounted hitch. This type of hitch is assigned a class number, by the manufacturer. The class is based on the capacity the hitch has for towing and a weight classification. The weight classification is determined from the hitch's weight carrying capacity, which is also known as the tongue weight. Before selecting a hitch, you must know the total towed weight (trailer weight and all contents of the trailer) and the tongue weight of the trailer. The rating of the hitch package should be equal to or greater than the trailers GVWR and the hitch weight.

Equipment that sometimes gives autos, trucks and sport utility vehicles a softer ride can accentuate swaying when pulling a trailer. Conversely, suspension that is too stiff will increase vibration, bounce and accelerate wear of your tow vehicle and trailer. Educate yourself to protect you, your family and other motorists.

WEIGHT DISTRIBUTING SYSTEM

A weight distributing hitch system provides a more stable tow vehicle/trailer combination. This system will spread the weight evenly to distribute it to the tow vehicle front and rear axles and the trailer axle. Consult with your tow vehicle dealer and or hitch installer to familiarize yourself with the operation and requirements of the weight distributing hitch system.

SWAY CONTROL

Sway can be a major factor while traveling. It can be caused by a number of factors including gusty wind, air displacement while passing a semi-truck, incorrect weight distribution and often excessive speed. The use of a sway control device will help to control the side-to-side movement and keep sway in check.

Suggestions for sway situations:

- Slowly ease your foot off the accelerator.
- Turn the steering wheel as little as possible. Natural lag time reaction when counter-steering to correct sway could possibly make it worse.

- If the trailer is equipped with electric brakes, using the hand control will help to keep the vehicles aligned.
- As soon as possible, stop to determine the cause of the sway. Check all equipment and load distribution.
- If the problem can not be solved immediately, take the equipment to a service center. Travel at a reduced speed on your way to the service center.

WARNING: A sway control device should be used with your tow vehicle/trailer combination. Consult with a trained hitch installer to obtain the proper equipment for your needs.

Hitch Height

To determine the hitch height for your model, make sure that the sport utility trailer is level. Measure from inside the hitch coupler to the ground. Record this number in the box at the side for future reference. If you have additional questions, consult with your independent, authorized dealer.

This unit hitch height is:

Jayco, Inc. cannot be responsible for the suspension system of any tow vehicle. There are a variety of suspension systems available on tow vehicles today which will effect the ball height, stability and levelness of the RV when hooked up to the tow vehicle. Make certain your independent, authorized dealer is aware of the type of tow vehicle that will be used so a compatible hookup can be achieved.

Your trailer's hitch ball size is 2-5/16".

The Hitching Procedure

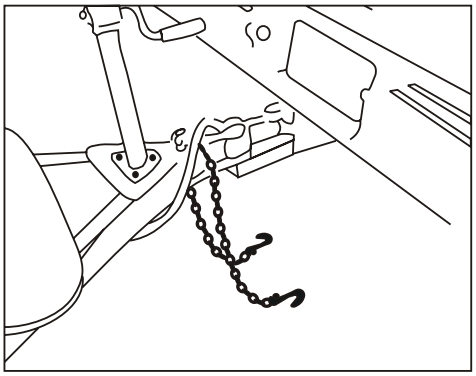
Hooking up a sport utility trailer is not difficult and will become easier with practice. The following procedure will help you until you become more experienced.

1. Make sure the trailer wheels are blocked.
2. Turn the jack crank to raise the trailer tongue above the hitch ball.
3. Open the coupler latch on the trailer hitch.
4. Back the tow vehicle into the proper position.
5. Turn the jack crank to lower coupler onto the hitch ball.
6. Close the coupler latch after it is completely seated.
7. Install the weight distributing bars (equalizers) per recommendations from the hitch supplier, when required.
8. Remove the dolly wheel or platform and retract tongue jack to its maximum height.
9. Attach the breakaway switch cable to the tow vehicle.
10. Attach the safety chains as shown in Fig. 4.
11. Plug in your 12-volt electrical connector from the tow vehicle to the trailer.
12. Remove the trailer wheel blocks.

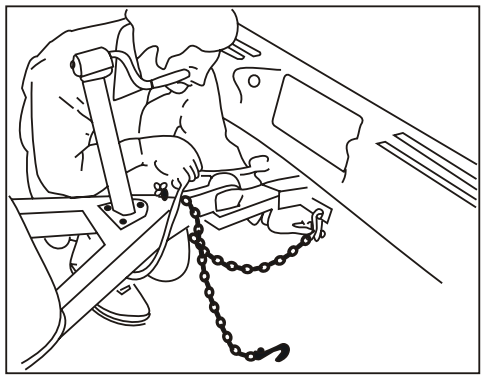
Refer to the complete list of suggested items in this manual for pre-trip planning and departing from camp for additional items to complete before traveling.

The Safety Chain

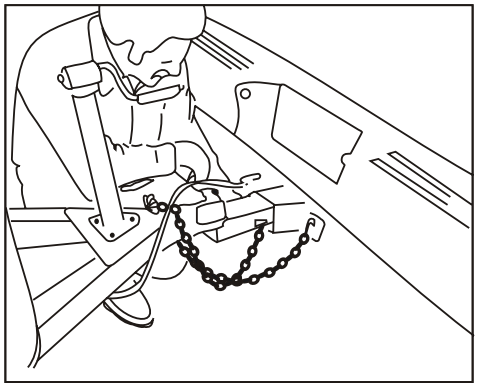
There are different safety chain requirements determined by the various state laws. Your vehicle is equipped with chains to meet SAE standard requirements for maximum gross trailer weight. Always have the safety chains attached when towing. Install them as shown below so they do not restrict sharp turns, but tight enough so they do not drag on the ground. (Fig. 4)



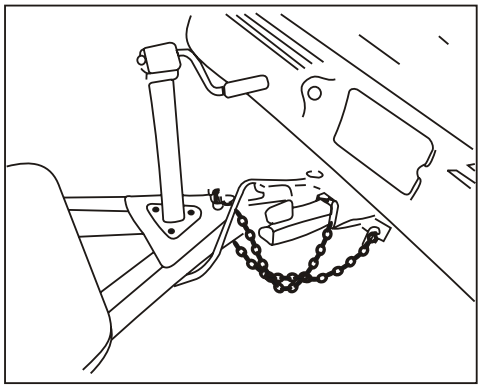
1. Inspect chains to determine if they are properly attached to trailer frame.



2. Criss-cross left chain and attach to right mounting slot in tow vehicle hitch.



3. Repeat step 2 with right chain. Slack for each length should be the same but not more than necessary to permit the vehicle to turn at their minimum radius.



4. Properly mounted safety chains. Note that the jack is fully raised and dolly wheel removed.

Fig. 4

WARNING: It is critical to read, understand and follow all instructions for hitching and towing your trailer. Improper hitching creates the potential for trailer sway, towing difficulties and the possibility of the trailer becoming unhitched from the tow vehicle. Failure to properly hitch the trailer could lead to property damage, personal injury and death.

FIFTH-WHEEL SPORT UTILITY TRAILERS ONLY

Hitches

Different types of hitches are available for pickup trucks to tow fifth-wheel trailers. The best type of hitch is one that is bolted directly to the floor of the truck box through the frame.

Consult with your independent, authorized dealer or hitch supplier to determine what is right for you and your trailer.

Hitch Height

There is no recommended hitch height for fifth-wheel trailers. The pin box is adjustable at two inch intervals for variance in trucks and their suspension systems. **Always travel with the truck and trailer level.**

Hitching Procedures

1. Make sure the trailer wheels are blocked.
2. Make sure the hitch lever is in its open or “cocked” position unless it has been designed to open automatically. Adjust the fifth-wheel trailer pin to the proper height. Lower the tailgate, if applicable.
3. Back the truck so the hitch encircles the fifth-wheel trailer pin.
4. A gentle contact of the hitch saddle against the pin will cause the mechanism to close.
5. Secure the hitch lever as specified by the hitch manufacturer.
6. Put the truck in drive (DO NOT press on the accelerator) and bump the hitch to make sure it is locked.
7. Be sure to raise the fifth-wheel landing gear all the way up. Make sure that you read, understand and follow all information about the safety and operation of the landing gear supplied by the landing gear manufacturer, as well as on the next page.
8. Attach the breakaway switch cable to the tow vehicle.
9. Plug the 12-volt DC electrical connector from the tow vehicle to the fifth-wheel trailer.
10. Raise the tailgate of the tow vehicle, if applicable.
11. Remove the trailer wheel blocks.

Refer to the complete list of suggested items in this manual for pre-trip planning and departing from camp for additional items to complete before traveling.

Landing Gear

ELECTRIC

1. The front landing gear operates on 12-volt DC power supplied by the tow vehicle charge line, trailer battery, or power converter.
2. The length of individual landing gear legs can be manually adjusted to assist with trailer leveling.
3. The switch to operate the front landing gear is located near the left front corner of the trailer inside a storage compartment. Some models have a second switch located in the right rear corner of the cargo bay.
4. To lower the landing legs, press the "EXTEND" section of the switch. Extend the legs until they contact the ground and support the front of the trailer.

   WARNING: DO NOT USE THE TRAILER LANDING GEAR TO SUPPORT TOW VEHICLE WEIGHT. They are designed to bear the front loaded weight of the trailer only.

5. To raise the landing legs, press the "RETRACT" section of the switch.

Caution: Legs must be fully retracted before moving or towing the trailer to prevent landing gear damage.

The landing gear is manufactured by Atwood. They have supplied an owner's manual with your trailer providing safety, operation, and maintenance information for the landing gear. Make sure you read, understand, and follow all information supplied. If you have questions, consult your independent, authorized dealer and/or visit the manufacturer's website at www.atwoodmobile.com.

REMOTE CONTROL (OPTION)

1. The optional remote controlled electric landing gear is the standard electric landing gear with the addition of a wireless transmitter and receiver control module. All conditions, warnings, and cautions listed under the standard electric landing gear heading apply.
2. To enable remote operation the red push button switch located on the receiver control module must be in the "ON" position. The receiver control module is located on the ceiling of the left front storage compartment.
3. Press and hold the "UP" button on the wireless transmitter to lower (extend) the landing legs. Operation will cease when the transmitter button is released.
4. Press and hold the "DOWN" button on the wireless transmitter to raise (retract) the landing legs. Operation will cease when the transmitter button is released.
5. Remote operation can be disabled by placing the red push button switch located on the receiver control module in the "OFF" position.

The optional remote control assembly is manufactured by Alta Resources, LLC. Information supplied by Alta Resources is included with your trailer. If you have further questions, consult your independent, authorized dealer and/or visit the manufacturer's website at www.altaresourcesllc.com.

TOWING

While towing your Jayco sport utility trailer, you need to be aware of the extra weight behind your vehicle. The following list contains some pointers to remember while traveling, but is not a substitute for consulting with your independent, authorized dealer and hitch professionals.

1. With the sport utility trailer attached, you will have slower acceleration and require greater distance to stop.
2. Make sure you have enough area at corners when turning. Wider turns are necessary. Use your turn signals for your own safety.
3. When passing or changing lanes, take into consideration the overall length of your sport utility trailer and allow ample distance and time. DO NOT SPEED AND BE PREPARED FOR DISPLACED AIR WHEN PASSING OR BEING PASSED BY LARGE TRUCKS.
4. Use your rearview mirrors frequently to observe your trailer and traffic conditions.
5. When being passed by a large truck or bus, be prepared for displaced air as it may cause the trailer to sway slightly. Steer straight and use your trailer brakes, if necessary, to slow slightly or control sway on the trailer.
6. Upon climbing steep, long grades and again descending, use lower gears even before it seems necessary. Use your brakes smoothly and evenly.
7. Decrease your speed for safety! Most states require vehicles pulling trailers to maintain slower speeds, usually the same as truck traffic.
8. Drive slowly during wet and icy conditions to ensure better control of your vehicle.
9. Check all exterior lights before each trip.
10. Obey traffic laws, allow extra time for stopping and decrease speed when visibility is limited or roads are wet.
11. Have a safe and wonderful trip!

If towing a trailer is new for you, please take time to practice towing, parking and backing skills prior to traveling. Your independent, authorized dealer can answer many of your questions, but nothing replaces practice. We recommend that you find a large and quiet parking lot to practice your skills.

Towing Behind Your Trailer

DO NOT tow anything behind your RV. The RV frame and bumper are NOT designed for towing.

WARNING: Towing items behind your Jayco trailer, or overloading the rear, will void the warranty and result in:

- **Damage to the trailer or add-on items.**
- **Towing difficulties.**
- **Property damage.**
- **Personal injury.**

TIRES

The tires on your RV are specially constructed for the unique requirements of recreation vehicle travel. They are tested under Department of Transportation (D.O.T.) standards at the allowed highway speed limits. Proper care and maintenance of your tires is essential to ensure your safety, as well as the safety of others, as you travel. Taking time to become educated on the special qualities of RV tires and care they require will enhance your travel enjoyment. Refer to tire information supplied with your unit's literature.

Some guidelines to follow for routine tire maintenance include:

- Always follow the recommended tire pressure which is stamped on the tire sidewall. Keep the air pressure at the recommended psi. You must follow the manufacturer's inflation guidelines for maximum load capacity. Underinflation is just as dangerous as overinflation.

  N NOTE: Tires are warranted by the tire manufacturer and are to be serviced and warranted by an appropriate service center. They are not to be returned to the independent, authorized dealer or trailer manufacturer.

- Always check the tire pressure when they are cold. As tires are in motion, the temperature will rise. This will cause the air pressure to increase. DO NOT release air pressure as tires become hot.
- Check the tire pressure and condition of the tires every day while traveling. Make sure to look for cracking, bulging, uneven tread wear, etc. If you are parked for an extended period, check the tire pressure at least once a week.
- Examine your tires frequently for unusual wear. Alignment, balance and bearing wear will effect tire wear.

  ! WARNING: It is recommended that the tire pressure be checked at the beginning of each journey to obtain the maximum life of the tire. Follow the instructions listed on the certification label, affixed to the roadside front corner of your trailer, to determine the correct tire pressure. Underinflation may cause tire failures and swaying. This will result in loss of control, injury, death or property damage.

- If a tire needs to be replaced, make sure it is the same size and load capacity as those originally supplied with your trailer. Refer to the unit's Federal Certification Label for the proper tire size and load range. If you have further questions, consult with your independent, authorized dealer or local tire store.

  ! WARNING: Be sure to use only tires that are rated for trailer use. The use of passenger tires should be avoided. The load rating/range embossed on the sidewall of passenger tires must be de-rated accordingly they do not have the same load capability as tires that are specifically identified for trailer use. Failure to use tires that are properly matched to your recreation vehicle could lead to premature tire wear or less than optimum trailer handling.

WHEEL LUGS

WARNING: Wheel lug nuts must be applied and maintained at the proper torque levels to prevent loose wheels, broken studs, and possible separation of the wheel(s) from your trailer. The lug nuts on the wheels of your Jayco trailer must be maintained according to the torque values listed in the chart on the following page. Over torquing and/or under torquing wheels may result in component failure.

After your first trip, check the wheel lugs periodically for safety. Check the wheel lugs after winter storage, before starting a trip or following extensive braking. The proper procedure and sequence for attaching the wheels and torquing lug nuts is as follows.

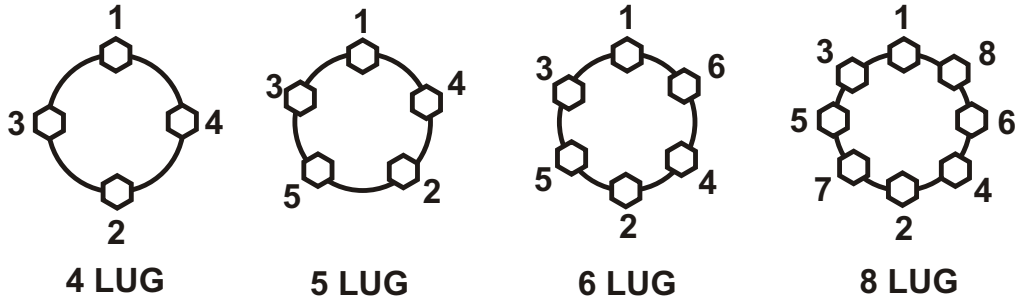


Fig. 5

1. Start all nuts by hand to prevent cross threading.
2. Tighten the nuts in the sequence shown in Fig. 5.
3. Tighten the lug nuts equally in stages as indicated for your trailer's wheels in the chart.
4. Torque the wheel lug nuts before the first road use and after each wheel removal. Check and re-torque after the first 10, 25 and 50 miles (16, 40 and 80 kilometers). Thereafter, check and maintain the torque as defined in the chart on the following page.

WARNING: Failure to maintain proper torque of the wheel lug nuts could lead to separation of the tire and wheel while driving, possibly resulting in property damage or personal injury.

Wheel Torque Requirements					
Lug Nut	**Rim**	**Type**	**Stage 1**	**Stage2**	**Stage 3**
4-Lug Nuts	12"	Steel	20-25 ft/lbs	35-40 ft/lbs	50-75 ft/lbs
5-Lug Nuts	13"	Steel	20-25 ft/lbs	35-40 ft/lbs	50-75 ft/lbs
5-Lug Nuts	13"	Chrome	20-25 ft/lbs	35-40 ft/lbs	50-75 ft/lbs
5-Lug Nuts	14"	Steel	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
5-Lug Nuts	14"	Chrome	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
5-Lug Nuts	14"	Aluminum	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
5-Lug Nuts	15"	Chrome	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
6-Lug Nuts	15"	Steel	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
6-Lug Nuts	15"	Aluminum	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
6-Lug Nuts	15"	Chrome	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
6-Lug Nuts	16"	Steel	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
6-Lug Nuts	16"	Chrome	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
8-Lug Nuts	16"	Steel	20-25 ft/lbs	70-80 ft/lbs	110-130 ft/lbs
8-Lug Nuts	16"	Aluminum	20-25 ft/lbs	70-80 ft/lbs	110-130 ft/lbs
A torque wrench is the best way to assure the proper amount of torque is being applied. Also review the axle manufacturer's operation and service manual supplied with your trailer or contact your independent, authorized dealer for further assistance.					

BRAKES

Your trailers electric brakes are designed to work with your tow vehicles hydraulic brakes. To maintain proper braking performance, both trailer and tow vehicle brakes must be used together. Separate use of the systems will cause accelerated wear and damage.

WHEN YOUR TRAILER IS NEW, IT IS IMPOSSIBLE TO ADJUST YOUR BRAKE SHOES PRECISELY. IT TAKES APPROXIMATELY 1,000 MILES AND/OR 50 MEDIUM TO HEAVY STOPS TO BURNISH FIT OR SEAT THE SHOES TO THE BRAKE DRUM. AFTER THE INITIAL BREAK IN PERIOD YOUR SHOES MUST BE ADJUSTED ACCURATELY FOR BEST PERFORMANCE AND INCREASED DURABILITY.

Braking system components include:

- Tow vehicle battery
- Brake controller
- Wire harness/connector plug
- Trailer battery
- Breakaway switch

Tow vehicle battery - The tow vehicle battery is the primary source of power for your trailer brake operation. To ensure available power when needed, keep your tow vehicle battery and charging system working properly.

Brake Controller - The controller is installed on the tow vehicle dashboard to work in conjunction with the trailer brakes. Hydraulic or electronic controllers are available. Consult with your independent, authorized dealer or the controller manufacturer to decide what is right for you and your trailer.

Wire Harness/Connector Plug - A seven way plug is wired into your trailer to connect electrical power to the tow vehicle for travel. This supplies power to the brakes, exterior lights, etc. Wiring to operate your brakes must be the same size in both the tow vehicle and the trailer. Your trailer is wired with 12 gauge wire.

Make sure the plug is kept clean and protected from road elements as you travel. Consult the Electrical Section of this manual for further information.

Trailer Battery - A 12-volt auxiliary battery is required to operate the breakaway switch. Consult with your independent, authorized dealer to purchase a battery and have it installed.

WARNING: For the breakaway switch to be operational, an auxiliary battery needs to be installed on your trailer. Consult with your independent, authorized dealer to purchase the battery and have it installed.

Breakaway Switch - The breakaway switch is a crucial part of the braking system. Located on the trailer tongue, this switch will apply the trailer brakes if it becomes detached from the tow vehicle. Attach the breakaway switch lanyard to a permanent part of the tow vehicle (do not attach it to the hitch ball or similar removable parts) when hitching the trailer. If the trailer is detached from the tow vehicle, the pull pin will be pulled from the switch. This automatically causes the switch to close and activates the trailer brakes.

Refer to the manufacturers supplied information for the breakaway switch. Consult with your independent, authorized dealer or the switch manufacturer if you have questions.

Caution: NEVER use the breakaway switch and trailer brake system as a parking brake. Doing so would create a high amp draw on the battery and converter. This can cause damage to wiring, connectors and the breakaway switch.

PRE-TRAVEL CHECKLIST

In order to enjoy your travel, having all the right tools and supplies will help. A checklist may be beneficial to avoid forgetting something essential. This list is meant to be a starting point, while realizing that personal preference will also play a large roll in your packing. There are items here which may not apply for you and items which could trigger other ideas. As you expand your camping experience, you may wish to develop your own list of needs.

Tow Vehicle/Trailer

- ☐ Check fluids
  - ➥ oil
  - ➥ coolant
  - ➥ transmission fluid
  - ➥ washer fluid
  - ➥ power steering fluid
  - ➥ brake fluid
  - ➥ battery terminal
- ☐ Check belts
- ☐ Check wheel lugs
- ☐ Check tire pressure (include inner wheel and spare, if applicable)
- ☐ Check tire wear (uneven wear pattern)
- ☐ Check lights
  - ➥ headlights
  - ➥ brake lights
  - ➥ clearance lights
  - ➥ turn signals
- ☐ Trailer safety chains connected (if applicable)
- ☐ Breakaway switch and lanyard connected
- ☐ Coupler locking pin connected (if applicable)
- ☐ Trailer electric cable secure
- ☐ Tongue jack fully up (if applicable)
- ☐ Dolly wheel or platform removed (if applicable)
- ☐ Retract stabilizer jacks
- ☐ Retract steps (if applicable)
- ☐ Proper tongue weight maintained (25% of gross weight - fifth-wheel trailer and contents)(10-15% of gross weight - conventional trailer and contents)
- ☐ Trailer is level
- ☐ All cargo is secured in the cargo bay
- ☐ Cargo bay ramp is closed and secured
- ☐ Fuel Station equipment is stored properly, the door is securely closed, and the master fuel pump disconnect switch is pushed in (if applicable)
- ☐ Wheel blocks removed
- ☐ Test brakes for proper operation
- ☐ Tools
  - ➥ jack
  - ➥ torque wrench
  - ➥ tire pressure gauge

- ➥ jumper cables
- ➥ duct tape
- ➥ fuses and light bulbs (compatible with your RV)
- ➥ shovel (small folding)
- ➥ axe
- ➥ saw (bow or folding)
- ➥ work gloves
- ➥ AC voltage tester
- ➥ tool kit (screws, hammer, pliers, etc.)
- ➥ rope, cord, bungee cord(s) or wire

❒ Electrical cord
❒ Water hose
❒ Disposable rubber gloves
❒ Sewer hose
❒ Surge protector
❒ Telephone and/or cable wire (if applicable)

Supplies

❒ First aid kit
❒ Flashlight(s)
❒ Toilet paper - Biodegradable
❒ Bug spray
❒ Sun screen

Recreation

❒ Games - cards, board, dice
❒ Outdoor activity equipment (fishing poles, tennis rackets, etc.)
❒ Lawn chairs
❒ Campfire supplies

- ➥ smores - marshmallows, chocolate, graham crackers
- ➥ skewers, pie irons, etc.
- ➥ fire grate for cooking
- ➥ firewood, newspapers and/or kindling
- ➥ matches in waterproof container and/or utility lighter

Bedding

❒ Sheets
❒ Blankets
❒ Comforters
❒ Pillows
❒ Sleeping bags

Kitchen

❒ Pots & pans
❒ Cooking utensils
❒ Trash bags and/or paper sacks
❒ Aluminum foil, plastic wrap, etc.
❒ Paper plates, towels, napkins, coffee filters, etc.
❒ Dish towels and rags

- ☐ Dish soap
- ☐ Food supplies
- ☐ Charcoal and lighter fluid

Personal Supplies

- ☐ Clothing
- ☐ Toiletries
- ☐ Towels - beach and bath
- ☐ Laundry detergent

Before leaving home

- ☐ All list items packed in trailer/tow vehicle
- ☐ Refrigerator door locked
- ☐ Loose items secured
- ☐ Membership cards
- ☐ Trailer keys
- ☐ Vehicle registration
- ☐ Proof of insurance
- ☐ Roadside assistance phone number, membership card and/or policy
- ☐ Road flares
- ☐ Map/road atlas/campground directory
- ☐ Owner's manual for the RV
- ☐ Owner's manual and information regarding component parts
- ☐ Arrange for pet care, mail/newspaper pickup
- ☐ Leave itinerary with neighbor/family/friend
- ☐ Security watch for house (neighbor/family/friend)
- ☐ Weigh fully loaded trailer (cargo and liquids included) and maintain proper weight distribution (redistribute as necessary)

SETTING UP CAMP...

SELECTING YOUR CAMPSITE

In some cases, searching for the right campground prior to traveling might be the first step in selecting your site. Some campgrounds will allow reservations made in advance. Depending on the area you are headed to and the time of year (i.e. around a holiday), reservations may limit your frustration upon arrival.

Your trip experience will be effected by the site you choose to park your RV. With time, you will know what you are looking for and what best fits your needs. A few items to keep in mind when selecting your campsite are:

- Arrive before dark, if possible, to make the site selection easier.
- Is the ground level? This will help with leveling your RV and making your stay more comfortable.
- Is there plenty of space?
  - Will it accommodate slideouts, awnings, cargo ramp, etc.?
  - Is there room for picnic tables, lawn chairs, campfire, etc.?
  - Is it void of hanging limbs that may damage your unit?
- Is it located in a convenient area?
  - Will you be able to park close enough to hookups (water, sewer, electric)?
  - Are you away from noisy areas or things that might detract from a positive experience?
  - Is there plenty of shade?
  - Is there good drainage in case of bad weather?

Beyond finding a site that best suits your needs, it is also helpful to keep in mind how you are affecting your camping neighbors experience. Some etiquette items to keep in mind are:

- Observe the quiet times as posted and abide by the rules of the campground.
- Do not play loud music or make noise which is going to be disturbing to others around you.
- If pets are allowed, keep them restrained.
- Show respect to others, do not make shortcuts through occupied campsites.
- Keep your campsite clean and pick up all trash before departing from the campground.

SETTING UP YOUR TRAILER

Un-Hitching - Fifth-Wheel Sport Utility Trailer

1. Pull into the site, and park the trailer where you want it.
2. Block the wheels tightly so the trailer will not move.
3. Drop the landing gear (important!!!!). Make sure that you read, understand and follow all information about the safety and operation of the landing gear supplied by the landing gear manufacturer, as well as in the "Before You Travel..." chapter of this manual.
4. Disconnect the 12-volt DC electrical connector and breakaway switch cable
5. Drop the truck tailgate, unless you have a tailgate specially designed to accommodate a fifth-wheel hitch.
6. Gently put your truck into reverse...(don't give it any fuel/acceleration). This effectively moves the kingpin off the locking bar which will allow you to easily disengage it.
7. Step on the brake and apply the parking brake.
8. Disengage the locking bar and unhitch the trailer.
9. Drive the tow vehicle away.
10. Raise the truck tailgate, if applicable.
11. Adjust the fifth-wheel height for proper front to back leveling of the trailer.

Un-Hitching - Sport Utility Trailer

1. Position the trailer as desired.
2. Level the trailer (side to side). Refer to the leveling paragraph below.
3. Block the wheels to prevent the trailer from rolling.
4. Unhook the trailer/tow vehicle electrical connection, safety chains and breakaway switch cable (if applicable).
5. Install the dolly wheel or platform.
6. Release the weight distributing bars as recommended by the hitch supplier.
7. Open the coupler latch.
8. Turn the jack crank to raise the coupler above the hitch ball.
9. Level the trailer (front to back) with the jack crank.
10. Lower the stabilizer jacks (if applicable). Refer to the steps below.
11. Pull the tow vehicle away, as desired.

Leveling Your Trailer

Leveling your RV is critical for several reasons. Your camping experience will be more pleasant in a level unit. It is important for your RV to be level for proper operation of items such as the refrigerator, the slideout system and draining tanks, if applicable.

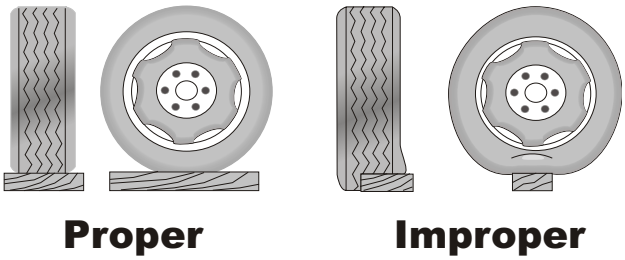


Fig. 6

Using blocks under the RV tires is a common way to level the unit. Blocks for this purpose can be purchased from various RV resources or made out of wood. The proper size of blocks are required to prevent causing damage to the tires. Make sure the blocks used cover the entire footprint of the RV tire. Refer to Fig. 6 for proper tire blocking.

Additional Set Up

MANUAL STABILIZER JACKS

1. Each stabilizer jack can be individually adjusted to stabilize the trailer for use.
2. When setting your trailer up on soft ground, you may wish to place a wood pad or the equivalent under each stabilizer jack foot. This will help keep the stabilizer jack from sinking into the ground.
3. To lower each jack, insert the jack crank onto the applicable stabilizer jack shaft. Turn the crank clockwise to lower each leg until it contacts the ground and stabilizes the trailer.

WARNING: DO NOT USE THE STABILIZER JACKS TO RAISE OR LEVEL THE TRAILER. It is important to remember that the stabilizer jacks are to be used only for support while occupying and moving around the trailer. They are not designed to bear the weight of the trailer.

4. To raise each jack, insert the jack crank onto the applicable stabilizer jack shaft and turn the crank counter-clockwise.

Caution: Stabilizer jacks must be fully retracted before moving or towing the trailer to prevent stabilizer jack damage.

ELECTRIC REAR STABILIZER JACKS (OPTION ON CERTAIN MODELS)

1. The electric rear stabilizer jacks operate on 12-volt DC power supplied by the tow vehicle charge line, trailer battery, or power converter. The main battery disconnect switch must be turned "ON" to enable battery operation of the stabilizer jacks.
2. Each rear stabilizer jack can be individually adjusted to stabilize the trailer for use.
3. When setting your trailer up on soft ground you may wish to place a wood pad or the equivalent under each stabilizer jack foot. This will help keep the stabilizer jack from sinking into the ground.
4. The switches to operate the rear stabilizer jacks are located near the left front corner of the trailer inside a lockable exterior compartment.
5. To lower the rear stabilizer jacks, press the "DOWN" section of the applicable switch. Lower each leg until it contacts the ground and stabilizes the rear of the trailer.

WARNING: DO NOT USE THE STABILIZER JACKS TO RAISE OR LEVEL THE TRAILER. It is important to remember that the stabilizer jacks are to be used only for support while occupying and moving around the trailer. They are not designed to bear the weight of the trailer.

6. To raise the rear stabilizer jacks, press the "UP" section of the applicable switch.
7. The electric rear stabilizer jacks can be cranked up or down manually as described in the Manual Stabilizer Jack section of this manual, if required.

CAUTION: Stabilizer jacks must be fully retracted before moving or towing the trailer to prevent stabilizer jack damage.

BAL manufactures the electric rear stabilizer jacks. They have supplied an owner's manual with your trailer providing safety, operation, and maintenance information for the electric rear stabilizer jacks. Make sure you read, understand, and follow all information supplied. If you have questions, consult your independent, authorized dealer and/or visit the manufacturer's website at www.norcoind.com/bal/.

SLIDEOUT ROOM (CERTAIN MODELS)

The slideout room is designed for additional floor space and comfort. Mechanical components are gear driven. Read ALL slideout instructions before operation.

CAUTION: Do not place excessive weight in the slideout room. It can cause the slideout room to malfunction and cause damage to the slideout.

Components

The slideout system has numerous major components and are as follows:

- One inner rail drive assembly to support the room weight.
- A 12-volt DC motor and drive shaft will operate the room using energy from an on-board auxiliary battery.
- A specially designed auto reset breaker with load sensing capability stops the motor when the room reaches its fully extended or retracted position.

WARNING:

- **Ensure that the trailer is level before operating the slideout room. Water leaks and other problems could result if the slideout is operated without leveling the trailer.**
- **Ensure there are no people or obstructions blocking the path of the room when it is moving.**
- **Keep away from the slide rails when the room is in motion.**
- **The gear assembly may pinch or catch on loose clothing causing personal injury.**
- **Ensure the slideout is in the retracted position prior to hooking the unit to the tow vehicle.**

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

Caution: After the slideout is extended, verify that the corners of the black rubber seal are set up correctly. The corners of this seal are cut at a 45 degree angle. The top of the seal must overlap the side of the seal to avoid the possibility of water penetration. (Fig. 7)

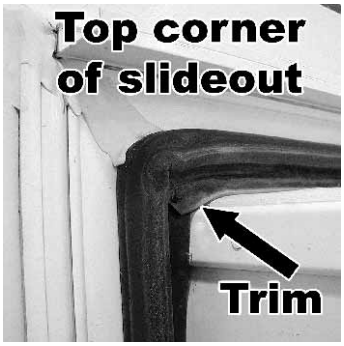


Fig. 7

Extending Room

1. The batteries must be fully charged and connected. The trailer should be hooked up to 120-volt AC power and have the power converter operating, if possible.
2. The trailer must be level and the stabilizer jacks in the down position.

CAUTION: Additional support jacks are not needed under the slideout. Damage can occur to your slideout room from improper use of support jacks.

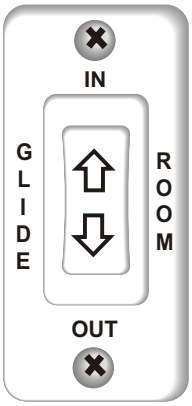


Fig. 8

3. Locate the slideout room control switch.
4. To move the room out, press the "OUT" section of the switch (Fig. 8) and hold it until the motor stops. Operating the switch after the room is fully extended will damage the switch and motor. Travel time – approximately twenty-five seconds.

Retracting Room

1. Remove all objects left between the slideout and cabinetry.
2. Press and hold the "IN" section of the switch and hold it until the motor stops. Operating the switch after the room is fully retracted will damage the switch and motor.

TELEVISION

Antenna

Your trailer is equipped with a crank up antenna for better television reception. Information is supplied with your unit from the manufacturer, Winegard. Refer to this literature for operation and maintenance instructions and/or visit their website at www.winegard.com. If you have further questions, consult with your independent, authorized dealer.

Cable

Some campgrounds provide hook ups to the local cable TV system. If this is available, connect to the trailer from the campground supplied connection. Your RV cable system will operate as it would in your home.

REAR BED OPERATION (FIG. 9)

Set Up

1. Remove the clevis pin from the c-channel. (Fig. 10)
2. Make sure that no cargo or people are in the way of the bed.
3. Pull the grab handle at the rear of the bunk down until it rests on the bumper located on the rear support brackets.
4. Pull the grab handle at the front of the bunk down to rest on the front support brackets.

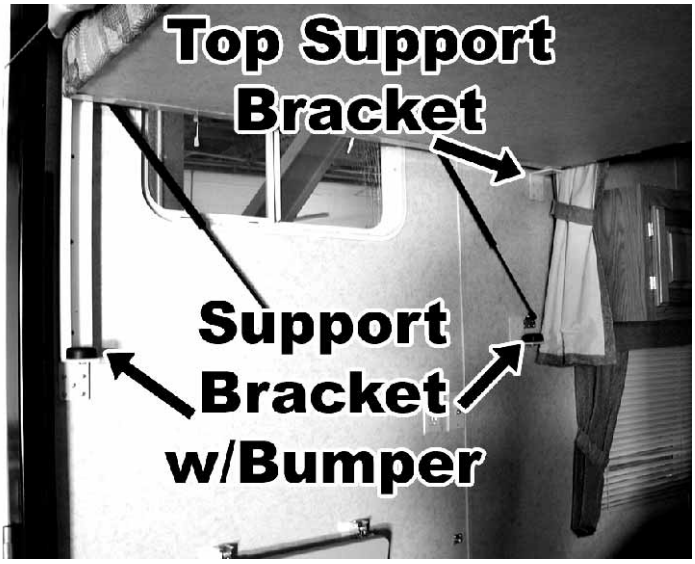


Fig. 9

Store Away

1. Remove any obstacles laying on the bunk.
2. Push up on the front side of the bed first.
3. Push up on the rear side of the bed, making sure the front edge of the bed rests on top of the top front support brackets.
4. Install the clevis pin through the c-channel to hold the bed in place while traveling. (Fig. 10)

Fig. 10

⚠ **CAUTION: The rear bed must be stored in the up position and the clevis pin installed through the c-channel while traveling to avoid damaging the bed and the support brackets.**

ELECTRIC BED LIFT

1. The electric bed lift operates on 12-volt DC power supplied by **the tow vehicle charge line, trailer battery, or power converter**. The **trailer** should be hooked up to 120-volt AC power and have the power converter operating, if possible. **The main battery disconnect switch must be turned "ON" to enable battery operation of the bed lift.**
2. There are two separate switches used to operate the bed lift. A backlit master shutoff switch located near the entry door and a bed lift "Up/Down" switch located elsewhere in the **trailer**. The master switch must be in the "ON" position for the "Up/Down" switch to be operational.
3. There are limit switches built into the bed lift to automatically control bed full up and full down stop points.
4. To lower the bed lift, press the "DOWN" section of the "Up/Down" switch. Lower the bed to the desired position or until it automatically stops at its lower limit.
5. To raise the bed lift, press the "UP" section of the "Up/Down" switch. Raise the bed to the desired position or until it automatically stops at its upper limit.

WARNING: DO NOT USE THE ELECTRIC BED TO LIFT PEOPLE OR CARGO WEIGHT. It is designed to bear loaded weight in the stationary position only. Damage to the bed lift mechanism and personal injury may result from using the electric bed to lift people or cargo.

WARNING: DO NOT LOAD MORE THAN 600 POUNDS OF WEIGHT ON EACH BED. Damage to the bed lift mechanism and personal injury may result from overloading.

Caution: RAISE THE BED(S) TO THE FULL UP POSITION WHEN TOWING YOUR TRAILER. Damage to the bed(s) may result from traveling with the bed(s) in lowered positions.

Happijac manufactures the electric bed lift. They have supplied an owner's manual with your trailer providing safety, operation, and maintenance information for the bed lift. Make sure you read, understand, and follow all information supplied. If you have questions, consult your independent, authorized dealer and/or visit the manufacturer's website at www.happijac.com.

COUCH/J-STEEL DINETTE OPERATION

1. Release the buckle holding the couch/dinette in place against the wall. (Fig. 11)
2. Pull down on the metal support bar under the couch/dinette. The legs will fold out and into place. When pulled out from the wall, the unit will be in the bed position.
3. To set up as a couch/dinette, stand at the end of the couch/dinette seat. Pull up on the top of the back rest and the front edgeof the seat to create a V. Push the seat toward the back rest to move the unit into the set up position.
4. To move it back into the bed position, pull up on the front edge of the seat to create the V.
5. Push down on the top of the back rest and the front edge of the seat to lay it into the bed position.
6. To store the couch/dinette against the wall, it is necessary to have it in the bed position.
7. To complete the dinette set up, position the table between the dinette seats.

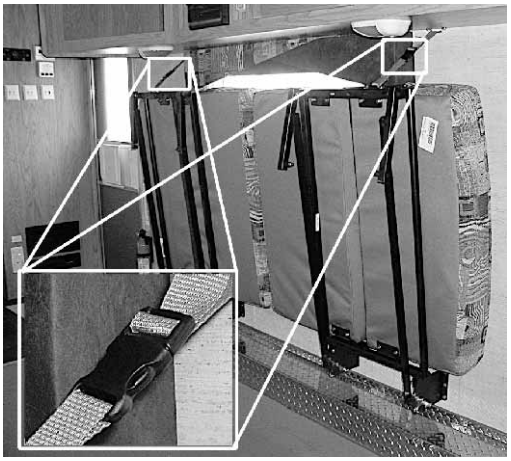


Fig. 11

Caution: To store the bed/sofa and pull down bunk for travel, always properly raise the mini-blinds.

CAUTION: Be aware of moving parts at the end of the bed/sofa when changing from one position to the other. Keep all loose clothing, fingers, etc. away from the ends.

BOOTH DINETTE TO BED CONVERSION

1. Remove the table top and cushions. Place them to the side.
2. Remove the table legs from the floor brackets and place them in one of the dinette seat storage compartments. Place the storage cover back on the dinette seat.
3. Place the table top across the middle from one dinette seat to the other. resting on the front edge bracket. For comfort, make sure the table top is level with the top of the dinette bench.
4. Position the dinette bench cushions in place across the benches and the table top.

To convert back to the booth dinette, reverse the procedures above.

HIDE-A-BED

1. Remove the cushions and place them to the side of the sofa.
2. Pull up, and out, on the handle located in the middle of the hide-a-bed. The middle support leg will fold down to rest on the floor.
3. Using the end support leg, pull the end of the bed out to set on the floor.
4. Fold the mattress out to cover the end of the frame.

To put the hide-a-bed away, reverse the above steps. Make sure all bedding is removed before storing the hide-a-bed. The hide-a-bed must be returned to the sofa position before moving the slideout in to the travel position.

Caution: To eliminate damage to the arm cushions, make sure they are folded out or lifted up when setting up or putting away the hide-a-bed.

AWNING SET UP

Your RV may be equipped with an awning and over the entrance area. Provided with your unit are instructions from the awning manufacturer which supply the operation and maintenance information for your awning. If you have questions, consult with your independent, authorized dealer, review the materials from the awning manufacturer and/or visit their website at www.carefreeofcolorado.com.

Screen Wall (Option)

REMOVABLE SCREEN WALL

1. Remove the screen wall from the storage bag.
2. Zip the screen wall onto the zipper at the top of the rear ramp opening. (Fig. 12)
3. Unroll the wall.
4. Attach the velcro around the ramp cable at the top corners and along the sides. (Fig. 13)

Fig. 12

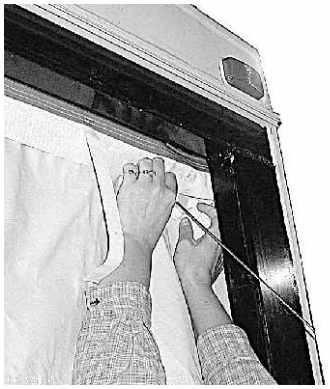


Fig. 13

5. If desired, roll up the curtains and secure them with the tie straps. (Fig. 14)
6. When the screen wall is rolled up, secure it with the velcro straps.
7. When storing the screen wall for travel, make sure that the wall is rolled up, secured with the velcro straps, and tucked up on top of the bed. Remove the velcro from around the ramp cable and make sure the screen wall corners are clear of the cable. (Fig. 15)

Fig. 14

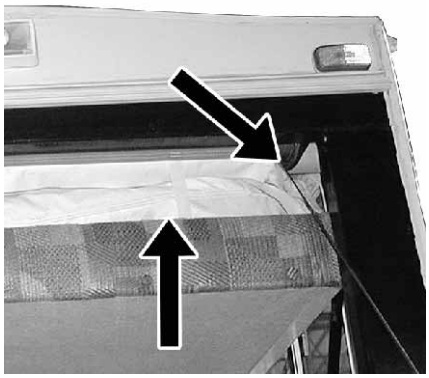


Fig. 15

RETRACTABLE SCREEN WALL

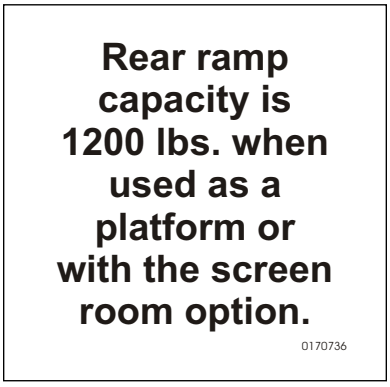
1. Make sure that all obstacles are removed from the path of the screen wall.
2. Secure the cargo bay lights to their holders on the cargo bay walls.
3. Grip the strap attached to the screen wall pull bar and pull down.
4. Grasp the pull bar and continue pulling the screen wall until it is completely extended. The screen wall has a grabber catch to secure it at the floor of the trailer.
5. To store the screen wall, pull up on the pull bar handle to release it from the grabber catch and push the screen up until it is fully retracted.

CAUTION: To avoid damage to the screen wall and possible injury, make sure it is fully extended and snapped in place at the floor when in use and fully retracted when not in use.

Patio Canopy and Screen Room (Option)

If your trailer is equipped with the Patio Canopy and Screen Room, refer to the instructions supplied with your trailer from the canopy and screen room manufacturer for installation and set up. Make sure that you read, understand and follow all information before using the canopy and screen room. For your safety, observe the capacity ratings of the cargo ramp as indicated on your trailer, as well as below. If you have further questions, consult with your independent, authorized dealer and/or visit the canopy and screen room manufacturer's website at www.carefreeofcolorado.com.

CAUTION: The following label is placed on your trailer to indicate the ramp capacity when used as a platform or with the screen room option. Observe all capacity ratings.



CAUTION: In windy & gusty or stormy conditions, take down your canopy and screen room to avoid damage. Wind and rain damage are not covered under warranty.

UTILITY HOOKUPS

To complete the unit set-up, the utilities should be hooked to the proper sources as supplied at the campsite. Make sure that you have read, understand and follow all information provided for complete operation of the utility systems.

Electricity

By connecting the RV electric system to the campground electric source, or shoreline power, electricity will be supplied to operate the 120-volt AC and 12-volt DC electric systems. When hooking up to electricity, follow these steps:

1. Make sure that all circuit breakers are turned off in the RV.
2. Locate the power cord and remove it from the RV.
3. Plug it into the trailer power connection.
4. After the cord is plugged into the trailer, plug it into the campground power source

WARNING: Do not plug the power cord into the campground power source before attaching it to the trailer. Once the cord is plugged into the power source, electric current will flow through the cord. Failure to follow these instructions could lead to death or serious injury from shock or electrocution.

WARNING: Do not use an adapter, cheater or extension cord that will break the continuity of the grounding circuit. NEVER remove the grounding pin to connect to a non-grounded receptacle. Any deviation from this will potentially cause a fire from overheating.

Caution: Power surges experienced while plugged in at a campground could potentially damage electronic component parts in your recreation vehicle. Damage from power surges are not covered by your Jayco warranty. Consult the component part manufacturer's owner's manual and/or your independent, authorized dealer for recommendations on power surge protection.

Water

A complete fresh water system is included in your RV. Fresh water is supplied to the system from two sources:

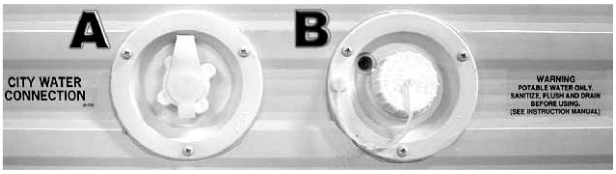


Fig. 16

- City fill connection hooked to an exterior water source.
- A gravity fill tank installed on the trailer.

TO UTILIZE THE CITY WATER CONNECTION:

1. Attach a fresh water hose from the city water connection (Fig. 16A) to the campground water source.
2. When the water is turned on, you may experience some air in the water lines. Make sure to let all this air escape before turning off the faucet.

Caution: The handle should be in the tank water position when connecting the city water to avoid a city water spill.

TO UTILIZE THE INSTALLED TANK:

Gravity Fill Tank

1. Remove the cap from the gravity fill connection. (Fig. 16B)
2. From an exterior water source, insert the fresh water hose into the gravity fill connection.
3. Fill the tank as desired. The size of the tank will vary based on your unit's floor plan. It is also equipped with an overflow outlet. Make sure that you do not leave the tank unattended while filling it. Do not overfill the tank.

Caution: Be careful not to overfill the tank. It can pressurize the tank, causing leakage and water damage and void the warranty. DO NOT leave the tank unattended while filling.

12-VOLT DC ON-DEMAND WATER PUMP

To extract water from your water tank, you need 12-volt DC power to operate the on-demand water pump. Energy for the pump is supplied by the auxiliary battery or converter. Depending on your trailer model, the pump will be located under the bed, in a cupboard, under the unit or under the sink. The switch to operate the pump is located on the monitor panel or a wall near the pump.

Fig. 17

Refer to instructions supplied by the pump manufacturer with your trailer. If you have questions, consult with your independent, authorized dealer and/or visit the manufacturer's website at www.shurflo.com.

NOTE: The water pump switch should be in the off position when the camper is left unattended for any amount of time. If something would happen to the water system, this will help limit water damage to a smaller area.

WATER PRESSURE REGULATOR

Excessive pressure from water supply systems may be encountered in some parks, especially in mountain regions. Water pressure regulators are available to protect your system against such high pressure. A regulator of this type is recommended to prevent damage to the plumbing system or component parts.

Caution: Not using a water pressure regulator when using city water may cause the o-rings to blow. It is advisable to always use a water pressure regulator when using the city water connection.

Propane Connections and Start Up

WARNING: Propane can be extremely dangerous. Make sure that you read, understand and follow all information supplied in this manual and all component part manufacturer's manuals before operating your propane system.

After the camper is completely set up and you are prepared for camping enjoyment, follow these steps for propane operation.

1. Close all burner valves, controls and pilot light valves.
2. Open the main valve on the propane container slowly to avoid a fast rush through the excess flow valve causing a propane freeze. If you experience a propane freeze-up, close the main valve and wait fifteen (15) minutes before trying again.
3. Listen carefully as the propane begins to flow. If hissing is heard for more than one (1) or two (2) seconds, this may indicate a leak. Immediately close the valve and search for the leak.
4. Light the appliances as needed and directed in the appliance manufacturers instructions.

Make sure that you read and fully understand ALL safety requirements for handling and operation of the propane system. Literature is supplied with your unit from the manufacturer of the various appliances hooked to your propane system. The propane system provides added benefits to your camping enjoyment, however, it must be handled with care. If you have any questions or concerns, consult with your independent, authorized dealer and/or the specific appliance manufacturer.

Use only one propane cylinder at a time, otherwise the propane supply will be drawn equally from both cylinders until the supply has been totally exhausted. Using one cylinder until it is empty, then using the second cylinder will allow you to fill the empty cylinder at your convenience without being totally out of propane.

Waste Disposal

Caution: For the protections of your sanitation system and the environment, always use biodegradable toilet paper that is specifically rated for recreation vehicles. If you have questions, consult with your independent, authorized dealer.

Proper care of the sanitation system is critical to efficient operation. Make sure that you have read, understand and follow the instructions for operation of your system.

Some campgrounds provide sewer hook-up right at the individual campsite. This convenience can save a great deal of energy if utilized properly. If hook up is not provided at your site, the trailer will need to be moved to an approved dump station.

The termination valves for your holding tanks are located on the exterior of the trailer close to the drain pipe.

Refer to the images indicated in the "Preparing to Travel Home..." chapter.

When hooked up to the sewer drain line at a campsite, keep the termination valve on the waste tank CLOSED until the tank is at least 3/4 full. This will provide sufficient water to

assist in complete draining of the tank. At this time, open the termination valve to empty the tank (see directions for draining below) and close the valve when the tank is empty. Repeat this process as needed, but NEVER leave the termination valve open when hooked up to the park's sewer system.

To Connect the Trailer for Waste Disposal:

1. Make sure the unit is as level as possible to aid with drainage.
2. Attach the adapter to the flexible sewer hose and secure it with a clamp.
3. Remove the dust cap and attach the adapter onto the drain pipe.
4. Turn the adapter 10° to lock it onto the pegs on the drain pipe.
5. Place the other end of the hose into an approved sewer system.
6. Open the black tank termination valve to empty the black tank.
7. Open the gray tank termination valve to empty the gray tank, utilizing the water to rinse the flexible hose.

AT CAMP...

APPLIANCES

All appliances in your trailer are name brand quality built equipment, guided by current codes and standards. For propane operation, the appliances in your trailer will operate on propane only, not on natural gas. All safety precautions for propane, found in this manual and additional information supplied by appliance manufacturers with your unit, must be followed during operation of the appliances. Please familiarize yourself with this information before proceeding.

Kitchen

The kitchen of your RV is equipped with many of the conveniences of home. However, special consideration needs to be taken when utilizing this equipment because there is limited space and available electricity in your RV. Make sure you understand what is available to you while operating these appliances. Follow all safety precautions supplied by the appliance manufacturers with your RV.

RANGE

Your range is designed to operate with propane. Make sure you have read and understand all information supplied by the range manufacturer and in this manual about the use of propane. This oven will operate similar to a gas range in your home. If you have questions or concerns, consult with your independent, authorized dealer and/or visit the range manufacturer's website at www.atwoodmobile.com.

MICROWAVE

Your microwave has been installed above the range and operates similar to your microwave at home. Make sure you have reviewed and understand all information supplied with your unit from the manufacturer. Contact your independent, authorized dealer if you have more questions, or consult with an appliance dealer.

REFRIGERATOR

Your RV refrigerator will provide the same functions as your home refrigerator, but will operate differently. Make sure that you have read and understand all the information supplied by the manufacturer, Norcold. Consult with your independent, authorized dealer for further information, or visit the refrigerator manufacturer's website at www.norcold.com/norcold_home.cfm.

Furnace

Your trailer is equipped with a propane furnace. Make sure you understand the properties of propane and follow all safety instructions to operate this appliance. The manufacturer, Atwood, has supplied an operation manual to guide you with understanding how to operate your furnace. Refer to the refrigerator manufacturer's manual for instructions. If you have further questions, consult with your independent, authorized dealer or visit the furnace manufacturer's website at www.atwoodmobile.com.

Water Heater

Your water heater is manufactured by Atwood Mobile Products. Complete safety, operating and maintenance instructions are supplied by Atwood with your trailer. Make sure you read, understand and follow all instructions before operating the water heater. If you have further questions, consult with your independent, authorized dealer and/or visit the water heater manufacturer's website at www.atwoodmobile.com.

BATHROOM

Your bathroom facilities function similar to those in a home. Ensure the water heater is operating before bathing. Adjust the faucets for desired temperature before entering the tub or shower.

Used water will drain into the gray water holding tank. Remember there are limited capacities in the water heater and gray water holding tank. Long showers in a recreation vehicle are NOT suggested due to the amount of water that is available. Refer to waste disposal and plumbing sections of this manual for further information on operation and emptying the holding tanks.

The tub or shower faucet requires a vacuum breaker when a shower hose and head is used. There are two purposes for this breaker:

- To prevent siphoning water through the hose from another fixture.
- To prevent water from being contained in the hose.

The shower head also DOES NOT have a complete shut-off valve. Any drainage from either part is normal function and NOT a leak. The complete shut-off is at the faucet.

Toilet

The operation of the toilet in your trailer is important and needs to be understood to keep it operating correctly. The capacities, function and emptying of your holding tanks are also an important part of proper operation covered in this manual. Make sure that you read, understand and follow all information about the function of your sanitation system.

The care and maintenance of your toilet are important. Make sure that you read the manufacturer supplied information on the toilet's operation and care. If you have further questions, consult with your independent, authorized dealer and/or visit the toilet manufacturer's website at www.thetford.com.

Caution: For the protection of your sanitation system and the environment, always use biodegradable toilet paper that is specifically rated for recreation vehicles. If you have questions, consult with your independent, authorized dealer.

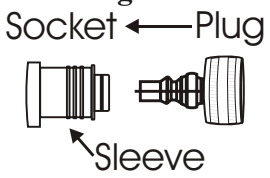
FAUCETS

Faucets in your trailer operate the same as in a home. There may be air in the lines when tanks are filled or when you first hook up to exterior water sources. Make sure you allow the air to escape before turning the faucet off. Close faucets when sufficient water is released. Refer to information supplied with your trailer for operating instructions.

EXTERIOR WATER CONNECTION

Your trailer is equipped with a quick coupler water connection on the exterior of your trailer. This connection can be used to access water through the trailer's water system for spraying off equipment.

Fig. 18



To Utilize Exterior Water Connection

1. Locate the quick coupler connection supplied with your trailer.
2. Attach the coupler to the trailer by:
   a. Push back on the sleeve on the trailer socket. (Fig. 18)
   b. Insert the quick coupler plug that was supplied with your trailer and release the sleeve. (Fig. 19)
   c. Push the plug until the sleeve snaps forward, locking the plug into the trailer socket. (Fig. 20)
3. Connect a garden hose to the quick coupler to access the water. Water may be utilized from this connection when attached to a city water source or from the on-board fresh water tank with the use of the 12-volt on-demand water pump.

Fig. 19

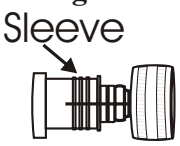
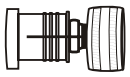


Fig. 20



POWER WASHER (OPTION)

Your trailer may be equipped with a power washer to attach to the exterior water connection. The power washer manufacturer has supplied safety and operating instructions for this equipment. Make sure that you read, understand and follow all information supplied by the power washer manufacturer before operating this equipment.

OUTSIDE SHOWER (OPTION)

A convenient exterior faucet assembly (Fig. 21) with hot and cold water may be installed on your trailer. This will allow for washing and rinsing on the outside of the trailer.

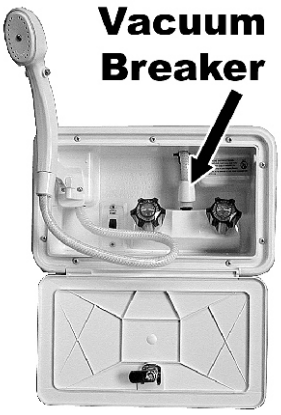


Fig. 21

OPERATION

1. Activate the pump.
2. Open the door with the key and allow it to hinge down.
3. Remove the shower head and open the valve.
4. Open the faucet valves and adjust the water temperature as desired.
5. To turn off, close the faucet valve(s) and allow the water to drain from the shower head.
6. Close the shower head valve.

Water remaining in the hose will drip or run out of vacuum breaker. This is NOT a leak, but performs as intended. Water in the A.B.S. plastic box will drain out along the outer edge. The shower head can be removed to drain the hose faster. If you choose to remove the shower head to drain the hose, reassemble it for storage. Coil the hose and arrange it with the shower head inside the faucet assembly. Make sure that the hose is not being pinched

and the shower head is not being damaged when the door is closed. Keep the door closed when not in use for sanitary reasons.

WATER PURIFICATION SYSTEM

A water purification system may be installed on your trailer. This system is equipped with a long-life cartridge to effectively reduce chlorine, taste, odor, sediment, organic chemicals and inhibit bacteria growth. Whenever the water system has not been used for some time, allow water to flow for several minutes to flush the system. When the system is not in use, store the water filter cartridge in the mounting bracket located near the water system, and when necessary, out of freezing temperatures.

RV antifreeze will damage the water filter cartridge. The water purification system manufacturer has supplied a clear plastic bypass hose with fittings on either end which is designed to replace the water filter when the trailer is winterized. The hose should be stored when the filter is in use and kept available to reuse.

The filter should be replaced the sooner of: reduced water flow causing an inconvenience, or one time each year.

TO REPLACE THE FILTER:

1. Drain the water system.
2. Remove the cartridge by disconnecting the fitting at either end of the filter and pull out of the fittings. It may be helpful to have a container available under the filter to catch any water left in the lines or filter.
3. If winterizing the unit, install the bypass hose supplied by the water purification system manufacturer and store the filter, as is appropriate.
4. If replacing the filter, install the new filter and tighten the fittings at either end.

CAUTION: Never allow the filter to freeze, or come in contact with RV antifreeze when the trailer water system is winterized. Refer to complete instructions supplied by the water purification system manufacturer.

ENTERTAINMENT

Your trailer may be equipped with a variety of components for your entertainment. Each individual system is supplied with an operation and maintenance manual, which is with your unit's information packet. Make sure that you are familiar with each system and how it operates. Any questions should be directed to the component manufacturer and/or your independent, authorized dealer. A Manufacturers' Customer Support Directory appears in this manual. It provides some websites and phone numbers for component manufacturers.

Radio Speaker Operation

TO OPERATE ALL FIVE (5) INSIDE SPEAKERS AND SUBWOOFER:

1. Turn speaker selector switch to the "inside" position.
2. Turn home theater system "on".
3. Press 5.1/2.1 button on the home theater system remote control to select 5.1.

TO OPERATE OUTSIDE SPEAKERS AND INSIDE SUBWOOFER:

1. Turn speaker selector switch to the "outside" position.
2. Turn home theater system "on".
3. Press 5.1/2.1 button on the home theater system remote control to select 2.1 stereo mix mode.

See the home theater system user's manual and/or quick start guide for complete information on operating the home theater system.

AIR CONDITIONER

An air conditioner may be installed by the Jayco factory or by your independent, authorized dealer. If you did not buy your trailer with the optional air conditioner, one of your roof vents may be pre-wired for later installation. Your independent, authorized dealer can provide additional information concerning this.

For information regarding the operation of the air conditioner, consult your independent, authorized dealer and the manufacturer's manual supplied with your unit. You may also find information at the manufacturer's website, www.rvcomfort.com/rvp/rvp.php.

Some models have central air conditioning available. All cooled air is moved through a duct built into the roof and enters the trailer through a group of round registers.

Keep all registers open to insure full airflow. Closing the register(s) may cause the compressor to freeze, which could shut down the cooling process.

Caution: When connected to shore power at campgrounds providing less than 50 amp service, operation of multiple air conditioners and/or other 120-volt appliances will not be possible. See "Consumption of 120-volt AC Power" in the Utilities & Systems" chapter of this manual for additional information.

SECURITY LIGHTS

The security lights can be turned on or off from separate switches located near the entry door.

MONITOR PANEL

The monitor panel provides useful information about the level of fluid in the water and holding tanks, as well as about battery charge level. Your trailer has a wall mounted monitor panel.

The panel operates on 12-volt DC power supplied by the converter or battery. Sensors are installed into the tanks and a resistor assembly relaying a message through wires to the display board on the panel. No power is drawn from the battery unless a switch is pushed or turned on.

OPERATION

Spring loaded push button switches are located on the monitor panel. Press only one button at a time, as one set of lights serve all functions. As you push any button, one or more lights will come on, indicating the tank contents level.

When pushing the battery button, the highest light illuminating indicates battery condition.

C=charging at 12.7 volts; G=good at 11.9 volts; F=fair at 11.2 volts; and L=low at 6.0 volts.

When the water pump switch is in the "ON" position, the pump runs until 45 pounds of pressure has been achieved. The red light will stay on. Turn the switch off when the pump is not in use.

The "gas" water heater switch enables propane operation of the water heater. The "electric" water heater switch enables electric operation of the water heater.

Fuses for the monitor panel are in the 12-volt distribution center fuse block.

KIB manufactures the monitor panel. If you have further question about the operation of the monitor panel, consult your independent, authorized dealer and/or visit the manufacturer's website at www.kibenterprises.com.

FUEL TANK(S)

Your trailer may be equipped with one or two built-in fuel tanks depending on the options purchased with your trailer. The tank(s) capacity is approximately twenty-five (25) gallons. Make sure that you do not over fill the tank(s). Do not add fuel to the tank(s) after the fuel pump's automatic shut off stops dispensing fuel.

DANGER: Make sure that you do not over fill the fuel tank(s) installed on your trailer. Follow all safety information outlined in this manual and literature supplied with your trailer. Failure to comply could result in death or serious injury.

The tank installed as part of the generator prep/generator options must be filled with unleaded gasoline only. The tank installed with the fuel station option should be filled with fuel as recommended by the manufacturer of your equipment. If your unit is equipped with two fuel tanks, one (front tank) is part of the generator prep/generator option and the other (rear tank) is part of the fuel station option. For fuel recommendations, refer to the owner's manuals supplied by the generator and equipment manufacturers. If you have further questions, consult with your independent, authorized dealer or the equipment manufacturer.

NOTE: Make sure that you read, understand and follow all safety information supplied with your trailer and applicable equipment for handling fuel. Refer also to information found in the "Safety" chapter of this manual.

WARNING: Working with fuel can be dangerous. Serious injury or death could result from improper handling of the generator, fuel station and fuel.

When refilling the fuel tank(s) on your trailer:

- Make sure that the tow vehicle and any equipment engines are turned off.
- All pilot lights, appliances and their ignitors must be turned off.
- Extinguish any open flames that are close to the trailer.
- Slowly unscrew the lid to the fuel tank as instructed on the fuel tank lid.

FUEL GAUGE OPERATION

With the generator option, fuel station option or both, your trailer is equipped with a fuel gauge inside the trailer to monitor the level of fuel available for operating the applicable equipment. The switch must be turned "ON" to check the fuel tank levels and operate the fuel station (if applicable). If the trailer has only the generator or generator prep options, a single toggle switch is located beside the fuel gauge to turn the gauge on and off. If your trailer has the fuel station option, there is a second toggle switch to select for verifying the applicable tank's fuel level.

NOTE: If the fuel gauge is not turned off after checking the fuel level, it will continue to drain energy from the battery. To avoid running the battery down, always make sure that the toggle switch is turned off when not in use. For the fuel station only or generator/fuel station combination, the fuel gauge will automatically shut down after fifteen (15) minutes of operation.

Generator Only

Turn the generator fuel tank gauge switch "ON". After reading the gauge, turn the fuel gauge switch "OFF" to avoid running the battery down.

Generator and Fuel Station or Fuel Station Only

Turn the fuel tank gauge switch "ON" by pressing it once. Toggle the gauge selector switch up to check the fuel level of the generator tank and down to check the fuel station tank.Turn the fuel gauge switch "OFF" by pressing it a second time.

GENERATOR PREP / GENERATOR (OPTION)

Generator Prep

If your trailer was constructed with the generator prep, it has all the components required to install and use a generator, except the generator. The components are:

- built in generator gasoline tank
- all necessary electrical wiring
- a carbon monoxide detector

RV generators are built in compliance with specific codes and standards. Your trailer is not designed to use generators other than those built specifically for recreation vehicles. When you are ready to purchase a generator for your trailer, consult with your independent, authorized dealer for assistance with purchasing and installing the proper generator.

NOTE: Refer to the "Safety" chapter regarding changes, modifications and additions to your RV.

Generator

The generator will produce 120-volt AC power for use when camping in areas where shore power is unavailable. 120-volt power from the generator is output to the AC Distribution Center by way of an automatic generator transfer switch. In the default mode, the automatic transfer switch connects the generator to the AC Distribution Center when the generator is operating and shore power is disconnected from the trailer.

The power to start the generator comes from the auxiliary battery. A remote start/stop switch is located inside the coach near the monitor panel. A second start/stop switch is located on the generator.

The generator is manufactured by Onan. They have supplied an owner's manual with your trailer for safety information, operation and maintenance of the generator. Make sure you read, understand and follow all information supplied to you. If you have questions, consult your independent, authorized dealer or contact the manufacturer at their website, www.onan.com. In addition, please note that the generator runs on gasoline and gives off carbon monoxide. Please read, understand and follow the various safety precautions set forth in this manual, and provided by Onan regarding these items.

FUEL STATION

WARNING:

- **ALWAYS FOLLOW SAFETY PRECAUTIONS WHEN OPERATING THIS EQUIPMENT.**
- **READ, UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS SUPPLIED BY THE FUEL PUMP MANUFACTURER WITH YOUR TRAILER.**
- **MAKE SURE THE PUMP IS PROPERLY GROUNDED.**
- **Make sure the pump is properly maintained as instructed by the pump manufacturer's instructions supplied with your trailer. Make any necessary repairs prior to operating the pump.**
- **Make sure the tank has fuel in it prior to operating the pump.**
- **Make sure the fuel is not contaminated with debris.**

FAILURE TO COMPLY MAY RESULT IN DEATH OR SERIOUS INJURY.

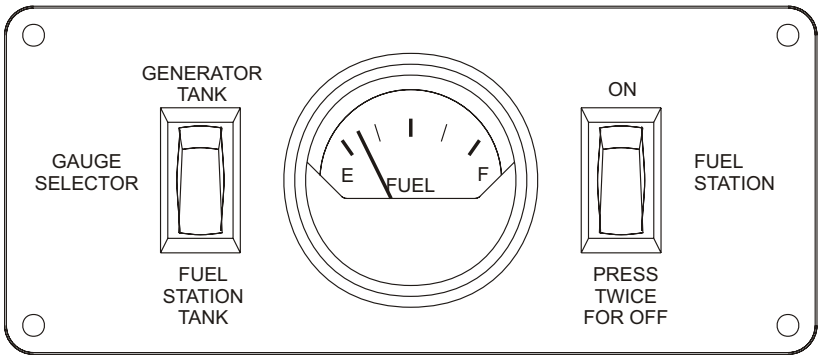


Fig. 22

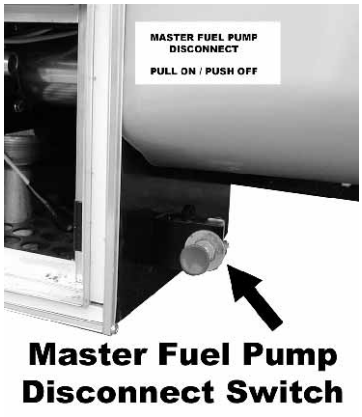


Fig. 23

Operation

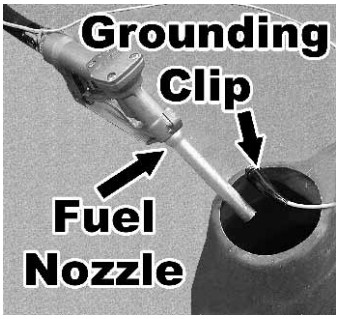


Fig. 24

TO DISPENSE FUEL:

1. Turn the fuel station timer switch “ON” by pressing it once. (Fig. 22)
2. Pull on the master fuel pump disconnect switch located on the exterior of the fuel station to turn it "ON". (Fig. 23)
3. Turn "ON" the fuel pump with the lever located on the pump.
4. Attach the grounding clip (Fig. 24) to the item or vehicle being fueled.

WARNING: Make sure the grounding clip is always attached to the item or vehicle receiving fuel.

5. Insert the nozzle into the receiving tank and squeeze the nozzle handle.
6. When done, release the nozzle handle to stop the flow of fuel.
7. Turn "OFF" the fuel pump with the lever located on the pump.
8. Push in the master fuel pump disconnect switch to turn it "OFF" (Fig. 23).
9. Turn the fuel station timer switch "OFF" by pressing it a second time. (Fig. 22)

NOTE: The fuel gauge will automatically shut down after fifteen (15) minutes of operation.

BBQ GRILL PREP

Your unit is equipped with a propane "quick coupler" connection and support bracket for easy installation of the optional BBQ grill. The "quick coupler" is directly connected to the propane system of your trailer. Make sure that you read, understand and follow all information about propane supplied with your unit by various component manufacturers and this manual.

WARNING: Make sure that you read, understand and follow all information supplied with your RV about propane before operating the BBQ grill. The propane hose must be correctly connected before lighting the grill. Failure to follow instructions supplied by the grill manufacturer with your RV or to use any other components than those originally supplied with the grill could lead to death or serious injury from fire or explosion.

The "quick coupler" connection can be attached to the BBQ grill as follows:

1. Place the "quick coupler handle in the OFF position and push back the sleeve. The valve handle must be OFF to make the connection. (Fig. 25)
2. Insert the plug at the end of the BBQ grill propane hose and release the sleeve. (Fig. 26)
3. Push the plug until the sleeve snaps forward, locking the plug into the socket.
4. Turn the handle ON to allow propane to flow to the BBQ grill. (Fig. 27)

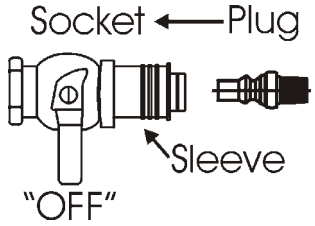


Fig. 25

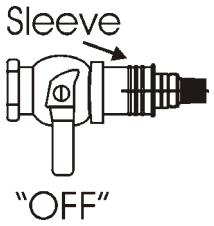


Fig. 26

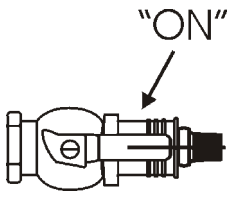


Fig. 27

BBQ Grill (Option)

WARNING: The maximum weight limit for the bracket on the side of your trailer is 50 lbs. This limit includes the weight placed on the BBQ gill. Exceeding this weight limit could cause damage to the unit and possibly cause personal injury from hot equipment.

An option for your trailer is a BBQ grill. This grill is for use outside of the trailer. **Never use this grill inside a compartment or the trailer.** The bracket and "quick coupler" propane connection are installed on your trailer as standard equipment. The following list will supply basic operations for the grill. Make sure to read, understand an follow all instructions included with the BBQ grill.

Fig. 28

1. Install the grill bracket on the support bracket installed on the side of your trailer. Make sure that it is securely placed on the support bracket.
2. Place the BBQ grill into the grill bracket. (Fig. 28)
3. Attach the propane hose from the grill to the "quick coupler" propane connection as directed above. (Fig. 29)
4. Open the lid to the BBQ grill.
5. Using and electric match, light the grill using the following procedures:
   - Light the electric match.
   - Insert it into the middle slot on the bottom of the BBQ grill.
   - On the BBQ grill control knob, depress and turn the knob to the desired temperature.
   - The grill should light at this point.
6. If the grill does not light, turn the propane off, wait five (5) minutes and repeat the above steps.
7. Use the temperature control knob to adjust the grill to the desired temperature.

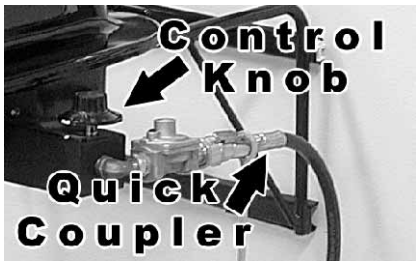


Fig. 29

The BBQ grill grate is coated with standard grill enamel and can be cleaned as you would a grill at home. Underneath the grate, there is a heat diffuser. This is formed and ventilated to distribute the heat from the burner. Do not use lava rocks in this grill.

To disconnect the BBQ grill, turn the temperature control to OFF. Reverse the above propane hose hookup procedures. Wait until the grill is completely cooled, then store it in the supplied carrying case. This carrying case will ONLY accommodate a cool grill. The grill carrying case has a pocket for accessories such as the propane hose in the lid. The bracket will not fit inside the carrying case and will need to be stored in a separate location.

⚠ **CAUTION: The BBQ grill must be COMPLETELY cooled before storing to avoid damaging the carrying case and causing injury from handling the grill when it is hot.**

POWER PACKAGE COMPONENTS

If your trailer was purchased with the power package components, you will have the convenience and added benefit of an air compressor, water pressure washer, battery charger and jumper pack. The manufacturer of each of these components have supplied safety and operating instructions. Make sure that you read, understand and follow all information supplied with your trailer before you operate this equipment. If you have questions, consult with your independent, authorized dealer for assistance.

NOTES

UTILITIES/SYSTEMS

NOTE: Make sure you read, understand and follow all safety information found in this manual and manufacturer supplied information.

PLUMBING SYSTEM

For set up instructions of your plumbing system, refer to the "Setting Up Camp..." chapter. If you have further questions on setting up the system, consult with your independent, authorized dealer.

Sanitizing the Potable Water System

WARNING: Failure to sanitize the potable water system could result in death or serious illness.

Potable water systems require periodic maintenance to deliver a consistent flow of fresh water. Depending on use and the environment the system is subject to, sanitizing is recommended prior to storing and before using the water system after a period of storage.

Systems with new components, or ones that have been subjected to contamination, should also be disinfected as follows:

1. Use one of the following methods to determine the amount of common household bleach needed to sanitize the tank.
   - Multiply "gallons of tank capacity" by 0.13; the result is the ounces of bleach needed to sanitize the tank.
   - Multiply "liters of tank capacity" by 1.0; the result is the milliliters of bleach needed to sanitize the tank.
2. Mix the proper amount of bleach into a container of water.
3. Pour the solution (water/bleach) into the tank and fill the tank with potable water.
4. Open all faucets (Hot and Cold) allowing the water to run until the distinct odor of chlorine is detected.
5. The standard solution must have four (4) hours of contact time to disinfect completely. Doubling the solution concentration allows for contact time of one (1) hour.
6. When the contact time is completed, drain the tank. Refill with potable water and purge the plumbing of all sanitizing solution.

If there is a problem of excessive chlorine odor and taste after the sanitizing process, follow the above procedures using a solution of baking soda (1/2 cup added to one gallon (4 liters) of water per 15 gallons (60 liters) of tank capacity) or vinegar (one quart added to five gallons (20 liters) of water per 15 gallons (60 liters) of tank capacity.)

Your demand water system is now ready for use. Refer to instructions on filling the tank and utilizing the system in the "Setting Up Camp..." chapter.

Drainage

All permanent fresh water tanks can be drained by one of two types of drain valve:

1. A white plastic drain is attached to outer wall. Open the valve and allow the tank to drain. (Fig. 30)
2. A valve is located inside of the coach adjacent to the water tank. The knob turns 45° to open and close.

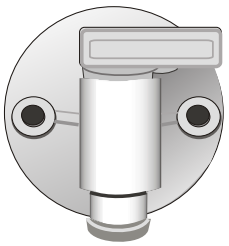


Fig. 30

To drain the water supply lines, locate the "low-point" drains as shown in Fig. 31. These valves are placed near the floor and may be located under cabinets, dinettes, sofas, beds, or in storage areas. As their name indicates, they will be at the lowest point of the water lines. A label is placed on the outside of the trailer to indicate where the drains are located. The drains will typically need to be opened from inside the trailer. Once the label is found on the outside of the trailer, go inside to find the corresponding drain location.

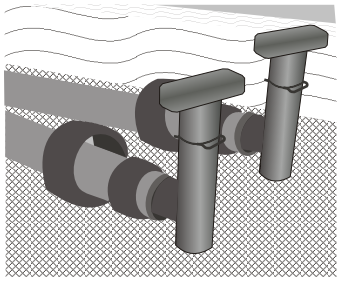


Fig. 31

TO DRAIN SYSTEM:

1. Open all faucets including the optional exterior shower.
2. Open the fresh water tank drain.
3. Open the water heater drain. (Consult the water heater owner's manual for details.)
4. Open all (2 to 4 depending on the model of your trailer) low-point drains.
5. Open the toilet valve, hold or block it if necessary.
6. To empty the pump, start and allow it to run 15-20 seconds.

SANITATION SYSTEM

Your trailer is equipped with a complete sanitation system. The components of this system are the toilet, waste water and sewage holding tanks and drains for both tanks. Familiarize yourself with all functions of the system. Read, understand and follow the information found here as well as information in the "Set Up Camp..." chapter. If you have questions, consult with your independent, authorized dealer for clarification.

Caution: For the protections of your sanitation system and the environment, always use biodegradable toilet paper that is specifically rated for recreation vehicles. If you have questions, consult with your independent, authorized dealer.

Using Toilet and Tank System

NOTE: For added convenience and better sanitation system performance, it is advisable to always have four to six inches (10-15 cm) of water in the toilet.

Prior to using the sanitation system, it is strongly recommended to flush the toilet several times and release sufficient water into the holding tank. If there is not a sufficient amount of water used during flushing, waste materials may not evacuate properly from the drain line to the tank. Clogged tanks and pipes could eventually occur.

The toilet system will perform better when water is run for ten to fifteen (10-15) seconds after flushing to ensure waste will proceed to the bottom of the tank. Unlike your toilet at home, which uses four to seven gallons (18-32 liters) of water per flush, the average recreation vehicle system uses one to three quarts (1-3 liters).

Vents

Another important part of the sanitation system are the vents which release air from tanks. Each tank has a vent pipe built into the trailer through the cabinet, wall and roof. A vent cap is attached to the roof and must be clear of obstructions to perform as intended. On some models the vent pipe may be part of the drainage system referred to as a "wet vent." This means water flows downward as air flows upward in the same pipe.

Holding Tanks

The final part of your system are the holding tanks. They hold waste and are located below the floor of your trailer. The bath tub and sinks drain into the waste water tank, also referred to as the "gray" water holding tank. The toilet drains into the sewage holding tank, also referred to as the waste (black) holding tank. Certain floor plans may also have the lavatory draining into the waste (black) tank.

WASTE (BLACK) TANK PREPARATION

1. Release one to two quarts (1 to 2 liters) of water into the toilet bowl.
2. Follow the directions on your toilet chemical bottle by placing the recommended quantity of holding tank chemical into the bowl.
3. Flush the toilet and allow at least two gallons (8 liters) of water to flow into the tank.

CAUTION: It is important to add enough water to prevent solid waste build up. Follow these directions each time after emptying your holding tank, except when winterizing.

GRAY WATER HOLDING TANK

No special preparation is required. However, placing a small quantity of chemicals into this tank, such as baking soda or a Thetford chemical, will reduce odors from food particles in the system.

PROPANE SYSTEM

DANGER: Propane can be extremely dangerous. Improper use of the propane system will present an immediate hazard situation where death or serious injury will result. It is possible that mechanical or property damage will also occur. Make sure you read, understand and follow all information supplied with your unit in this manual and all component part manufacturer's literature.

It is because of the propane system that your RV has the convenience of a refrigerator, stove, water heater, and furnace. The components of the propane system are:

- Propane container or cylinder
- A two stage regulator
- Pipes, hoses and tubing to deliver the propane to appliances

When correctly used, the propane system is a safe and effective way to operate the appliances in your RV. This system is also potentially very dangerous and should be used with care. Carefully read, understand and follow all information supplied with your trailer for the propane system and its components and consult with your independent, authorized dealer about the proper operation of the propane system.

A warning label has been placed in your RV to warn against asphyxiation (inability to breath). The label has been located in the cooking area to remind you to provide an adequate amount of fresh air for combustion. Please read, understand and follow the information in this label.

WARNING: IT IS NOT SAFE TO USE THE COOKING APPLIANCE FOR COMFORT HEATING.

1. **Cooking appliances need fresh air for safe operation. Before operation:**
   a. Open overhead vent or turn on exhaust fan.
   b. Open window.
2. **Unlike homes, the amount of oxygen supply is limited due to the size of the recreation vehicle, and proper ventilation when using the cooking appliance(s) will avoid dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating, as the danger of asphyxiation is greater when the appliance is used for long periods of time.**

FAILURE TO COMPLY COULD RESULT IN EXPLOSION RESULTING IN DEATH OR SERIOUS INJURY.

The following label has been placed in the trailer near the range area. Please read, understand and follow the information in this label.

DANGER
IF YOU SMELL PROPANE

1. **Extinguish any open flames, pilot lights, and all smoking materials.**
2. **Do not touch electrical switches.**
3. **Shut off the propane supply at the cylinder valve(s) or propane supply connection.**
4. **Open doors and other ventilating openings.**
5. **Leave area until odor clears.**
6. **Have the propane system checked and leakage source corrected before using again.**

FAILURE TO COMPLY COULD RESULT IN EXPLOSION RESULTING IN DEATH OR SERIOUS INJURY.

As noted above, the presence of any propane smell is dangerous. Make sure that everyone, including pets, are out of the RV. Do not return to the RV until the source of the propane odor has been determined and corrected by a propane professional.

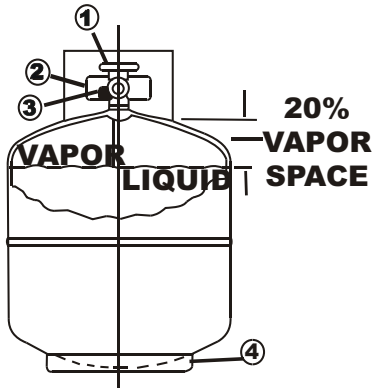
PROPANE CONTAINER

The container or "cylinder" is a D.O.T. approved container to hold propane in liquid form, and is normally a 20# or 30# (9 or 14 kilograms) capacity. The open/close valve is to be closed at all times unless hooked up to the propane system or filling the container. When the container is disconnected from the hose, install the valve cover that is attached to the container. This is required by the National Fire Protection Association (NFPA), other applicable local codes and for your own safety. Do not allow the container (filled or empty) to move or roll around while transporting to and from the filling location.

DANGER: All pilot lights, appliances and their igniters (see operating instructions) must be turned off before refueling of motor fuel cylinders and/or propane containers. FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

The components of the propane container are:

1. **Knob to open valve to fill or to use unit.**
2. **Complete valve assembly.**
3. **"10%" valve, small brass knob or slot screw.**
4. **Container mounting stand.**



The following warning label has been placed near your trailer's propane containers. Make sure you read, understand and follow all information on this label. Failure to do so could result in death or serious injury.

WARNING

THIS PROPANE PIPING SYSTEM IS DESIGNED FOR USE OF PROPANE ONLY. DO NOT CONNECT NATURAL GAS TO THIS SYSTEM. DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY. FAILURE TO COMPLY COULD RESULT IN A FIRE OR PERSONAL INJURY. Securely cap inlet(s) when not connected for use. After turning on propane, except after normal container replacement, test propane piping and connections to appliances for leakage with soapy water or bubble solution. Do not use products that contain ammonia or chlorine. AD-34

SERVICING AND FILLING PROPANE CONTAINERS

Your propane containers should only be serviced and filled by a qualified person who know the proper inspection and safety procedures. If a propane container is new, make sure the service person is aware of it so they can be purged prior to being filled. Propane containers must never be filled beyond 80% of capacity to allow for expansion with increases in temperature. The following warning label is located near the propane container(s). Make sure that you read, understand and follow these warning labels.

WARNING: DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY.

- **Overfilling the propane container can result in uncontrolled propane flow, which can cause fire or explosion.**
- **A properly filled container will contain approximately 80 percent of its volume as liquid propane.**

WARNING: Propane cylinders shall not be placed or stored inside the vehicle. Propane cylinders are equipped with safety devices that relieve excessive pressure by discharging propane to the atmosphere. FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

WARNING: Do not bring or store propane cylinders, gasoline, or other flammable liquids inside the vehicle because a fire or explosion can result.

WARNING: Portable fuel-burning equipment, including wood and charcoal grills and stoves, shall not be used inside the recreation vehicle. The use of this equipment inside the recreation vehicle may cause fires or asphyxiation.

When a propane cylinder gets low, sometimes there is a concentration of garlic-like odor, which may be mistaken for a propane leak. After a change over to a full cylinder, the odor usually will disappear. If not, turn off the propane containers and have the system checked by a qualified technician.

WARNING: DO NOT use tools to open or close the cylinder valve. HAND TIGHTEN ONLY. The use of tools to tighten the cylinder valve creates the potential to overtighten the valve. This could cause damage to the interior seals on the cylinder valve seat. If damage occurs, you will not be able to close the cylinder properly. This gives a false sense of security that the propane cylinder is shut off. Consult with your independent, authorized dealer or a qualified propane dealer if you have further questions.

DANGER: Never smoke during the filling of propane cylinders. Keep the RV away from the immediate filling area when possible or

extinguish all propane pilot lights. Failure to follow this safety rule could lead to death or serious injury from fire or explosion.

OPD Overfill Protection

Your propane container(s) are equipped with Type 1 ACME propane connections. No tools are required to tighten or loosen the connections. They are designed so propane will not flow from the container unless the correct connection is made.

Make sure you read, understand and follow the information supplied with your unit that is relevant to the propane container connections for your safety and convenience of use of the OPD overfill protection.

The position of the propane container(s) and the hoses are critical to proper operation and propane flow. Follow these instructions to make sure your propane container(s) are connected properly.

DUAL CYLINDER ASSEMBLY WITH CYLINDER RACK ON A-FRAME OR FRONT TRUNK

The containers must be positioned in the tray with the valves pointing away from the trailer. The wing nut is placed on the threaded rod to hold the cross bar down and orient the containers. The regulator bracket is held in position by the threaded rod and centers the regulator between the two cylinders which are secured at the base on the tray.

1. Connect the 3/8" low-pressure hose to the outlet of the two-stage regulator.
2. Place the cylinders on the bracket provided on the A-frame and secure them so the outlet of the cylinder valves point outward from the front of the sport utility trailer.
3. Using the threaded center rod, position the regulator bracket. This centers the regulator between the two cylinders as they are secured to the base tray.
4. Attach the inverted flare x 11" Type-1 pigtail hose to the regulator inlet and the right hand swivel nut to the cylinder valve.

Fig. 32

WARNING: The pigtail hose must be installed to avoid tension or pulling stress at either end of the hose.

WARNING: Keep the pigtail hose away from sharp edges of the cylinder collar, rigid corners, walls, doors or other compartment structures including the cover.

NOTE: The regulator is typically installed with the inlet fittings at the same level as the cylinder outlet valves. Due to bracket design, wing nut clearance or cover restrictions, the regulator fittings may not be in perfect alignment with the cylinder valves. A variance of two (2) inches (5 cm) above or below the line will permit the hoses to be properly installed.

TWO CYLINDERS - 20# OR 30# (44 OR 66 KILOGRAMS) IN A RECESSED COMPARTMENT OR HOUSING (FIG. 33)

Follow these steps to insure the correct container/valve orientation, regulator placement, hose length, hose routing and cylinder cover placement for propane supply assemblies.

Fig. 33

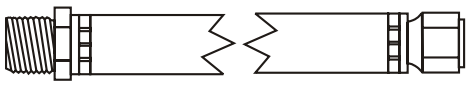
1. Connect the 3/8” low-pressure hose to the outlet of the two-stage regulator.
2. Place the cylinder on the bracket in the recess compartment or housing and secure them so the outlet of the cylinder valves are facing the “sidewalls” of the compartment or housing (opposite of each other).
3. Mount the regulator on the center back wall of the compartment or housing so the vent is pointed downward.
4. Attach the 1/4” inverted flare x 18” Type-1 pigtail hose to the regulator inlet and the right hand swivel nut to the cylinder valve.

WARNING: The pigtail hose must be installed to avoid tension or pulling stress at either end of the hose.

WARNING: Keep the pigtail hose away from sharp edges of the cylinder collar, rigid corners, walls, doors, or other compartment structures including the cover.

Main Supply Hose - Low Pressure

The main supply hose will be attached from regulator to brass manifold fitting in frame of trailer. The swivel brass nut on main hose will be your final attachment.



Several things to remember each time container is removed:

1. Check that ALL fittings are tight.
2. Check that ALL connections are tested with leak solution. Consult with your independent, authorized dealer or propane service personnel.
3. Open the main valve slowly to avoid a fast rush of propane to the excess flow valve causing propane freeze up. If you experience a propane "freeze-up," close the main valve and wait at least fifteen (15) minutes before trying again. Refer to the document found with your trailer literature from the regulator manufacturer.
4. Listen carefully - a "hissing" sound longer than one second may indicate a propane leak. Close the valve and search for the leak.

Regulator

The regulator is in integral part of the propane system. It is required to reduce the pressure of the propane before it is sent to the system to operate your appliances. It is critical to your safety that you read, understand and follow all literature supplied with your unit on the operation and maintenance of the regulator.

WARNING: Propane regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in a compartment have been equipped with a protective cover. Make sure that the regulator vent faces downward and that the cover is kept in place to minimize vent blockage which could result in excessive propane pressure causing fire, explosion, death or serious injury.

PROPANE CONSUMPTION

Most propane appliances are operated intermittently. Unless there is heavy use of hot water, the water heater consumption is minimal. During freezing weather and high wind conditions, furnace consumption can be extremely high.

Propane consumption depends upon the length of time appliances are operated. Each gallon (3.86 liters) of propane produces about 91,500 BTUs (46,514 kilojoules) of heat energy. Following is a list of typical appliance consumption when turned on fully for one hour of operation:

Appliance	Approximate BTU Consumption Per Hour	Approximate Kilojoules Per Hour
Water Heater	12,000	12,660
Refrigerator	1,500	1585
Slide-in Cooktop - 3 burner	22,000	23,200
Range w/ Oven	29,100	30,700
Furnace	25,000	26,375

NOTE:This chart is an example of a typical system and may not represent the exact system in your particular unit.

Propane Detector

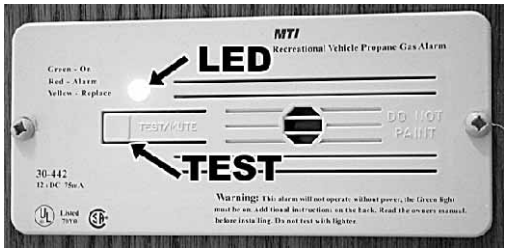


Fig. 34

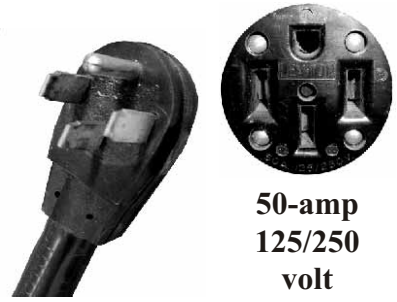
All recreation vehicles with a propane system require a propane leak detection device (Fig. 34) for safety protection. A converter or auxiliary battery is required to supply 12-volt DC energy to operate the leak detector. Carefully read, understand and follow the information supplied by the propane detector manufacturer which is supplied with your trailer. Consult with your independent, authorized dealer and/or visit the manufacturer's website at www.mtiindustries.com if you have any questions on the operation or maintenance of this detector.

WARNING: For your safety, make sure that the propane detector is properly maintained and functioning. The detector requires 12-volt DC energy through the converter or from an auxiliary battery to operate. Without a proper energy source, the detector will not work and you will not be warned of leaking propane.

ELECTRICAL SYSTEM

General

Fig. 35



50-amp
125/250
volt

The electrical system in your trailer consists of 120-volt AC (alternating current) and 12-volt DC (direct current) circuits and components. All installations are made in compliance with safety requirements of ANSI standard A.1192, National Electric Code, and Canadian Standards Association.

Your trailer has 50-amp service pre-wired into the breaker box.

Caution: Power surges experienced while plugged in at a campground could potentially damage electronic component parts in your recreation vehicle. Damage from power surges are not covered by your Jayco warranty. Consult the component part manufacturer's owner's manual and/or your independent, authorized dealer for recommendations on power surge protection.

120-Volt AC System

POWER CORD

Your trailer is equipped with a detachable 50-amp rated power cord that is stored in the trunk compartment. Attach the power cord to the trailer and then to the campground power source.

WARNING: Do not plug the power cord into the campground power source before attaching it to the trailer. Once the cord is plugged into the power source, electric current will flow through the cord. Failure to follow these instructions could lead to death or serious injury from shock or electrocution.

Power will enter through the main breaker. It is distributed through secondary circuit breakers to wall receptacles and any appliances wired directly, such as an air conditioner. The cord extends approximately 25'-35' (7 to 10 meters) from the trailer depending on floor plan. Your RV power cord must be fully extended and not left coiled in the compartment or on the ground. If the cord is left coiled, it creates potential for heat to melt the cord's casing together.

To prevent accidental electrical shock, insure that the ground pin on the attachment plug cap is intact to the earth ground through the RV park receptacle. Any accidental short of a live circuit conductor will trip the circuit breaker indicating a shorted circuit. Make sure that the polarity of the external power is not reversed, in order to avoid harm to appliances and personal electrical shock. Polarity indicators may be purchased in most electrical and hardware stores.

It is strongly recommended to avoid the use of extension cords. Using an improper extension cord will cause overheating of the cord and equipment, and it voids the warranty. It may also cause premature failure of the AC equipment. If you choose to use an extension cord, it MUST be the same amperage rating as the RV power cord and be identified for

heavy-duty outdoor use. However, the use of an extension cord can still cause all of the problems discussed here and will void the warranty.

WARNING: Do not use an adapter, cheater or extension cord that will break the continuity of the grounding circuit connected to the fourth pin. NEVER remove the grounding pin to connect a non-grounded, three-prong receptacle. Any deviation from this will potentially cause a fire from overheating.

GROUND FAULT CURRENT INTERRUPTER (GFCI)

WARNING: Make sure you read, understand and follow all instructions supplied by the GFCI receptacle manufacturer with your RV. Failure to follow these instructions could lead to death or serious injury from shock or electrocution.

Each trailer has a GFCI receptacle installed. These initials mean "Ground Fault Current Interrupter." This special receptacle has been designed to reduce the possible injury caused by electrical shock.

An example of ground fault current is the current which would flow through a person who is using or touching an appliance with faulty insulation and, at the same time, is in contact with an electrical ground such as a plumbing fixture, wet floor, or earth.

When this GFCI receptacle is tripped, it has interrupted ground fault current caused by such things as faulty insulation or wet wiring inside some appliance or equipment connected to the circuit. The faulty equipment should be repaired before it is used again.

The GFCI receptacle will not protect against short circuits or overloads. The circuit breaker or fuse in the electrical panel, which supplies power to the circuit, provides this protection.

The GFCI receptacle should be tested monthly while the travel trailer is being used. Any suspected problems with the GFCI should be checked by an independent, authorized dealer.

Testing Instructions

1. Plug a 120-volt electrical device into the receptacle on the face of the GFCI.
2. Push and release the RESET button.
3. The 120-volt electrical device should operate at this time.
4. Press the TEST button.
5. The RESET button should pop out indicating it has been "tripped" and the 120-volt electrical device should cease operating. (If the GFCI is manufactured with an indicator light, the light should glow when the GFCI has tripped.)
6. If the GFCI did not trip, do not use the outlet. Call a qualified electrician to service or replace the receptacle. The ground fault protection is no longer working properly.
7. To restore power after "tripping", press in the RESET button. It must remain in. (If an indicator light is furnished, it will be off.)

50-AMP SERVICE

WARNING: Do not replace circuit breakers or fuses with any that are rated at a higher amperage than the ones originally installed in your trailer. Over fusing may cause a fire by over heating the wire.

The following table provides generic circuit breaker alignment information. Your trailer may not be configured exactly as shown depending on model, floor plan and options.

MAIN	50-amp	Main Breaker Leg #1
MAIN	50-amp	Main Breaker Leg #2
A	15-amp	Microwave
B	20-amp	Air Conditioner #1
C	15-amp	GFCI Kitchen, Bath, Exterior Circuits
D	20-amp	Air Conditioner #2
E	15-amp	Utility #1 Circuit - Misc. Outlets and Ceiling Fan
F	15-amp	Water Heater
G	15-amp	Utility #2 Circuit - Refrigerator and Misc. Outlets
H	20-amp	Power Converter

CONSUMPTION OF 120-VOLT AC POWER

Your recreation vehicle is equipped with a 120-volt/50 ampere power cord and load center. A maximum of 50 amperes (or 6000 watts) of power can be consumed at any given time. It may be necessary to stagger the use of some appliances to maintain power usage at 50 amperes or below. Accessories such as coffee pots, toasters, electric skillets, curling irons, etc. can use a significant amount of power and need to be included in your power consumption plan.

12-Volt DC System

The 12-volt DC system is composed of numerous items such as a power converter, battery, fuses, wire, and bulbs, both interior and exterior lighting. Explanation on these items will follow in this section.

WARNING: For the breakaway switch to be operational, an auxiliary battery needs to be installed. Consult with your independent, authorized dealer to purchase the battery and have it installed.

CAUTION: Your RV has many 12-volt DC loads. When combined, they total more power consumption than is available with the 12-volt DC converter. Periodic overloads can be handled with the optional auxiliary battery for short periods of time. It is suggested to conserve your 12-volt DC system at most times. Prolonged overload may shorten the performance life of converter.

Power Converter

NOTE: The power converter is a complicated feature. There are no customer serviceable parts in or on the converter. If the converter is opened, it will void the converter warranty. If you have questions or concerns, consult with your independent, authorized dealer.

A power converter utilizes 120-volt AC power and transforms this energy into 12-volt DC power, which is used inside your trailer. 12-volt DC energy supplies power to all interior lights and various appliances. The floor plan, and size of the trailer dictates the model and output size of the power converter required.

Inside of the power converter is an electronic device, which automatically switches between 120-volt AC incoming power and battery power. An auxiliary battery as correctly installed will be charged when the trailer is connected up to 120-volt AC power. (See the following information on the auxiliary battery.) The converter will supply power through the fuse panel located near by, possibly in the same compartment.

Refer to the manufacturer's information supplied with your trailer and/or consult with your independent, authorized dealer to answer your questions. Information can also be found at the manufacturer's website at www.progressivedyn.com.

Auxiliary Battery (Independent, Authorized Dealer Installed Option)

All trailers are designed and built to accept an auxiliary battery. A deep cycle marine type is recommended as you need longer energy rather than cold cranking power. A battery is required to operate the breakaway switch and also provides a source of energy when traveling and camping.

All battery packages require an "in-line" fuse or circuit breaker located near the battery for circuit protection. Consult with an independent, authorized dealer for correct installation of the auxiliary battery.

Maintenance on a battery is required for longer life. First, all terminals need to be kept clean and free of corrosion. Second, a battery that is used daily and charged frequently by the power converter will consume water. Keep the battery filled, as the cells cannot hold a charge when the water is low. A deep cycle battery is NOT maintenance free. Additional guidance for proper battery maintenance may be obtained from your independent, authorized dealer.

In normal conditions a converter will not overcharge a battery unless (a) the battery has low or dead cell(s), or (b) the converter has a malfunction. The charging module on some converters has a positive shut-off and on others, there is a reduced charge rate to very low amperage.

A fully charged battery will read 12.7-volts DC and 1.265 specific gravity at 80°F (32°C). A battery is considered discharged at 11.8-volts DC. If the voltage drops below these levels, permanent damage will occur.

The RV battery is installed in parallel circuitry with the battery on your tow vehicle. Both batteries supply power to your RV, so it is important not to discharge the tow vehicle battery below the level of power required to start the engine. To prevent this occurrence

while parked, disconnect the wiring harness between the RV and tow vehicle or install a battery isolator (see below). When the tow vehicle's engine is operating with the RV connected, the vehicle's charging system will charge both the vehicle battery and the auxiliary battery.

GENERATOR (OPTION)

The optional auxiliary generator will produce 120-volt power for lighting, refrigeration, and other equipment in your trailer when shore power is not available.

An automatic transfer switch to change between shore power and generator power is located in the on-board electrical system. The switch requires no user maintenance and must not be opened by anyone other than a qualified RV electrical technician.

BATTERY DISCONNECT SWITCH

Your trailer has a battery disconnect switch as shown in Fig. 36. To avoid draining the battery power, turn this switch off when the trailer is not being used for a period of time.

Fig. 36

BATTERY ISOLATOR (FOR TOW VEHICLE)

A battery isolator should be installed for two purposes. First, it receives current from the alternator and controls distribution of energy to both batteries. Secondly, it serves as a check valve to prevent energy from being drawn from the tow vehicle chassis battery. Energy in the tow vehicle is now preserved to start your engine.

Two types of isolators are available, mechanical and solid state. Each type has an amperage rating (70-amp per side) to indicate its capacity of operation. The solid state type of isolator, although typically more expensive, will provide the best overall performance. Your independent, authorized dealer can assist you with purchase and installation if you choose to purchase a battery isolator.

LIGHTS

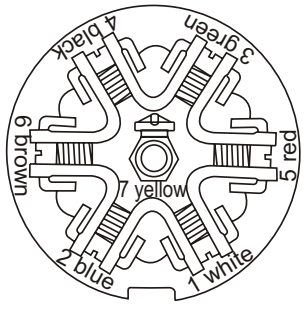
Exterior

All exterior running lights, such as tail lights, clearance lights, turn signals, brake lights, etc. are energized by tow vehicle power. When attaching wires to your tow vehicle, carefully and tightly tape all connections for moisture protection.

Refer to diagram (Fig. 37) for the color code of the seven pin connector. The connector between the tow vehicle and your trailer may build up corrosion with extended use, and should be cleaned periodically to insure good electrical contact.

White	1	Ground
Blue	2	Brakes
Green	3	Running Lights
Black	4	Interior 12-volt Lighting
Red	5	Stop & Left Turn
Brown	6	Stop & Right Turn
Yellow	7	Back Up

Fig. 37



Car End
Rear View

Porch

Porch light(s) on either sidewall will have switches located on the wall inside of the entrance door.

Front convenience (hitch) lights will have a switch included with the light assembly and fused through the fuse panel.

Interior

The interior lights will operate from the converter and/or auxiliary battery. Some lights will have wall switches and others will have switches in the fixtures themselves.

BULBS

WARNING: Replacement light bulbs must be of the type, voltage and wattage listed on the lamp fixture. Use of incorrectly sized bulbs can overload lamp circuits and may create a fire hazard by overheating the fixture.

Interior:	Square Lights	#921	**Exterior**:	Porch Light	#912
	Round Lights	#912		Tail/Turn/Brake Lights	#1157
	Range Hood	#921		Clearance Light	#194
	Cargo Lamp	#1225/H3		Side Marker Lights	#194
				Security Lights	#1156

FUSES

All fuses for the interior of the trailer and external porch lights are located in the fuse panel. This panel is located near the converter.

WARNING: Do not replace circuit breakers or fuses with a higher current rating than those originally supplied with the RV. Over-fusing can cause a fire hazard by overheating the electrical wiring.

DC FUSE PANEL LAYOUT

NOTE: Below is a typical wiring layout. Your individual trailer may be different.

#	Size	Function
1	12.5 amp breaker	Bedroom Slideout Switch and Motor
2	15 amp fuse	Bathroom
3	15 amp fuse	Monitor Panel/Water Pump/Range Hood/Sink Light
4	15 amp fuse	Refrigerator/Rear Fantastic Fan
5	15 amp fuse	Bedroom Lights
6	15 amp fuse	TV Outlet/Radio/Propane Detector
7	15 amp fuse	Ceiling Lights/Porch Light
8	15 amp fuse	Trunk/Hitch/Cargo Lights
9	15 amp fuse	Dinette/Sofa Lights
10	15 amp fuse	Security Lights/Front Fantastic Fan
11	15 amp fuse	Furnace
12	20 amp breaker	Main Slideout Switch and Motor
13	20 amp breaker	Third Slideout Switch and Motor
14	20 amp breaker	Fuel Station Option
15	20 amp breaker	Bed Lift Option

Television Cable

The television coax cable is sized to accept satellite dish installations.

Brakes

The electric brakes operate on 12-volt DC power from tow vehicle through blue and white wires in the seven (7) wire harness and connector. More information on the brakes is found in this manual and in the brake manufacturer supplied information.

PREPARING TO TRAVEL HOME...

When the time arrives to return home, it is again critical that you complete the necessary procedures to ensure a safe trip. As you develop a routine, it is possible that a checklist will be helpful. This is a general list, which you may want to customize as you determine your own needs. In addition, make sure you follow the hitching procedures listed in the "Before You Travel..." section of this manual.

DEPARTING CAMP CHECKLIST

Safety

- ☐ Make sure you follow all safety precautions noted in this manual and in any information from component part manufacturers when preparing to travel home.

Interior

- ☐ Counter items put away or tied down
- ☐ Latch drawers, cabinets & doors
- ☐ Refrigerator door locked
- ☐ Set refrigerator to 12-volt (if applicable)
- ☐ Close windows & latch blinds
- ☐ Close roof vents
- ☐ Lower antenna & satellite dish (if applicable)
- ☐ Position the booth dinette in the bed position for travel (if applicable)
- ☐ Furnace turned off
- ☐ Water heater turned off
- ☐ Water pump turned off
- ☐ Lights turned off
- ☐ Cargo bay beds are properly stored and secured for travel
- ☐ All cargo is secured in the cargo bay
- ☐ Cargo bay ramp is closed and secured

Exterior

- ☐ Retract awning and secure in place
- ☐ Retract slideout (if applicable)
- ☐ Retract step
- ☐ Pack equipment into compartments and secure it
- ☐ Propane turned off
- ☐ Water hose & electric cord unhooked and stored
- ☐ Visually look under RV for items missed
- ☐ Lock all exterior compartments
- ☐ Empty black holding tank
- ☐ Rinse black holding tank, if necessary
- ☐ Empty gray holding tank
- ☐ Fuel Station equipment is stored properly, the door is securely closed, and the master fuel pump disconnect switch is pushed in

Tow Vehicle/Trailer

- ☐ Check fluids
  - ➡ oil
  - ➡ coolant
  - ➡ transmission fluid
  - ➡ washer fluid
  - ➡ power steering fluid
  - ➡ brake fluid
  - ➡ battery terminal
- ☐ Check belts
- ☐ Check wheel lugs
- ☐ Check tire pressure (include inner wheel and spare, if applicable)
- ☐ Check tire wear (uneven wear pattern)
- ☐ Check lights
  - ➡ headlights
  - ➡ brake lights
  - ➡ clearance lights
  - ➡ turn signals
- ☐ Safety pin or locking lever must be seated (if applicable)
- ☐ Trailer safety chains connected (if applicable)
- ☐ Breakaway switch and lanyard connected
- ☐ Coupler locking pin connected (if applicable)
- ☐ Trailer electric cable secure
- ☐ Tongue jack fully up (if applicable)
- ☐ Dolly wheel or platform removed (if applicable)
- ☐ Retract stabilizer jacks (if applicable)
- ☐ Proper tongue weight maintained (25% of gross weight - fifth-wheel trailer and contents)(10-15% of gross weight - conventional trailer and contents)
- ☐ Trailer is level.
- ☐ Test brakes for proper operation

NOTE: Make sure you review the information in the "Before You Travel..." chapter for specific information related to the weight of holding tank contents.

DRAINING THE HOLDINGI TANK(S)

Fig. 38

Fig. 39

On the outside of the trailer are labels (Fig. 38 & Fig. 39) that indicate the location of the gray and black holding tank drain. A typical set up of the tank drain and termination valves is indicated in Fig. 40. Look for the labels to locate the drain and follow the instructions below to empty the tanks.

When hooking up to the sewer drain line in a campground, keep the termination valve on the waste tank CLOSED until the tank is at least 3/4 full. This will provide sufficient water to assist in complete draining of tank. At this time, open the termination valve to empty the tank (see directions for draining below) and close the valve when the tank is empty. Repeat this process as needed, but NEVER leave the termination valve open when hooked up to the parks sewer system.

Fig. 40

To Empty Holding Tank:

1. Make sure the unit is as level as possible to aid with drainage.
2. Attach the adapter to the flexible sewer hose and secure it with a clamp.
3. Remove the dust cap and attach the adapter onto the drain pipe.
4. Turn the adapter 10° to lock it onto the pegs on the drain pipe.
5. Place the other end of the hose into an approved sewer system.
6. Open the black tank termination valve to empty the black tank.
7. Open the gray tank termination valve to empty the gray tank, utilizing the water to wash and rinse the flexible hose.

All drain pipes have a P-trap installed into each line. Water in these traps prevent odors from escaping into the trailer. During travel, water from the P-traps may spill and permit odors into the trailer. These odors come from food particles decomposing in the tank. By adding water and using a RV approved deodorizing agent the contents will dissolve faster and will keep the drain lines and tanks clean and free flowing. Chemicals are available at an RV supply store.

Most states and parks have strict laws and regulations to prohibit dumping of wastes of any kind into anything other than proper disposal facilities or sewer systems. Almost all privately owned parks have either a central pump facility or offer a campsite hookup of sewage. You can find lists of many dump facilities throughout the United States in Woodalls, Rand McNally Camp Guide, Good Sam Camp Guide, KOA Kampgrounds Camp Guide, and various other publications. Some fuel stations also have dump stations.

NOTES

MAINTAINING YOUR INVESTMENT...

MAINTENANCE

Your trailer is designed to be as maintenance free as possible. However, maintenance is important to retain its condition as near new as possible and preserve the warranty. The information in the following pages is supplied to provide guidance for your maintenance routine. Many of the component part manufacturers supply information for their equipment. Refer to all instructions supplied with your trailer when performing maintenance. Proper maintenance will give you many trouble free miles.

NOTE: Some areas in this chapter may not be applicable to your trailer.

NOTE: Failure to properly maintain your trailer can cause numerous problems and it voids Jayco's warranty as well as the warranties of many of the component part manufacturers.

Caution: We recommend that you do not take your recreation vehicle through automatic car washes. Extreme caution should be used if utilizing any type of pressure sprayer around all attachments, doors, windows, appliance vents, etc. Avoid forcing water inside the unit, which could possibly damage component parts.

FIFTH-WHEEL SPORT UTILITY TRAILER ONLY

Hitch

Make sure that you have routine maintenance performed for your hitch system according to the hitch manufacturer's recommendations. If you have questions, consult with your hitch installer, independent, authorized dealer and/or the hitch manufacturer.

Landing Gear

Refer to the landing gear manufacturer's instructions supplied with your trailer for complete maintenance information. If you have questions, consult with your independent, authorized dealer and/or the landing gear manufacturer.

SPORT UTILITY TRAILER ONLY

Hitch

Use a small quantity of lubricant on the moving mechanism and all points of movement in the actuator to insure ease of operation.

Use conventional grease on the hitch ball for ease of operation.

Coupler

Use a small quantity of silicone spray on the moving mechanisms of the coupler. Also lubricate all moving parts in the actuator to insure ease of operation.

Tongue Jack

Lubricate the jack by extending it to the full down position and insert SAE 30 oil through the oil hole in the top of the jack. Do this several times per season.

FRAME

Sand, pebbles, objects on the highway, climate (salt air exposure) or ice inhibiting chemicals used during the winter months will damage the paint, inviting rust and other deterioration. Periodically inspect the exterior exposed areas, clean and repaint the steel members, occasionally and whenever you notice rust or paint chipped away, to insure protection. If rust occurs, the frame should be cleaned and painted. We recommend the use of Rust-Oleum® Rusty Metal Primer and Rust-Oleum® gloss black paint. Simply follow the directions on each can. To prevent rust or corrosion, you may wish to purchase a commercially available treatment application such as Ziebart®, etc. Rust or frame damage resulting from lack of routine maintenance voids the warranty.

E-Z LUBE AXLE

The E-Z Lube feature on your axles provides the ability for the bearings to be periodically lubricated without removing the hubs from the axle. This feature consists of axle spindles that have been specially drilled and fitted with grease zerks in their ends. When grease is pumped into the zerk, it is channeled to the inner bearing and then flows back to the outer bearing and eventually back out the grease cap hole.

A manual is supplied with your trailer which covers the maintenance of your axles. Refer to this information regarding how and when to maintain the axle. If you have further questions, consult with your independent, authorized dealer and/or visit the manufacturer's website at www.dexteraxle.com.

NOTE: The convenient lubrication provisions of the E-Z Lube and the oil lubrication must not replace periodic inspection of the bearings.

Wheel Bearings

Your trailer wheel bearings require maintenance just as any vehicle wheel bearings. Make sure you read, understand and follow the axle manufacturer's information on maintenance requirements. If you have further questions, consult with your independent, authorized dealer and/or visit the manufacturer's website at www.dexteraxle.com.

Wheel Lugs

Refer to the specific instructions supplied by the axle manufacturer and information found in this manual. Make sure that all instructions are read, understood and followed to insure safe operation of your trailer. If you have further questions, consult with your independent, authorized dealer and/or visit the manufacturer's website at www.dexteraxle.com.

WARNING: DO NOT ignore checking wheel lug nuts. Failure to do so can cause wheel loss, accident, injury or death.

Brakes and Brake Linings

Refer to the axle manufacturer's supplied information for a complete maintenance schedule on the brakes and brake linings. Make sure that your brakes are in good working condition before each trip.

NOTE: Canadian transportation laws require that brake linings be replaced if there is any cracking for semi-tractor and trailers only. This does not apply to recreation vehicles.

WARNING: Failure to maintain the brakes in proper working condition as specified in the manual supplied by the axle manufacturer, will cause property damage, personal injury and possibly death. Consult with your independent authorized dealer for assistance.

TIRES

Your trailer tires are specifically manufactured for recreation vehicle use. Make sure you understand the specific needs of RV tires. Consult with your tire supplier, independent, authorized dealer or the tire manufacturer for complete information and maintenance instructions. Basic guidelines for your tires are also listed in this manuals "Before You Travel..." chapter.

Changing Tire

1. Keep the trailer attached to the tow vehicle. Block the tire on the opposite side of the unit from the tire you are changing.
2. Loosen the wheel lug on the tire you are changing before jacking up the trailer. DO NOT remove the lug nuts, only loosen them for ease of removal when the tire is off the ground.
3. Locate the main frame rail of the trailer. It spans from the front to the back just inside the tires.
4. To raise the trailer, place the jack (hydraulic or screw) under the main frame rail. It must be just ahead of the front tire or just behind the rear tire.

WARNING: Never raise the trailer by placing the jack under the axle beam, springs or any attachment parts. Failure to comply could result in property damage, personal injury or death.

Spare Tire Carrier

The following procedures should be used in securing the spare tire in the travel position. Follow the reverse procedure to release the tire for use.

1. Put the steel hoist lift support loaded on the end of the cable through the rim of the tire (Fig. 41). The hoist lift support clips (Fig. 42) need to seat inside the center hole of the tire rim. The valve stem of the tire MUST be pointed in the up position or toward the bottom of the trailer.

Fig. 41

Fig. 42

2. Insert the crank handle into the hole located in the center of the rear “bumper”. Turn the crank handle to lift the tire to the travel position. Two crisp breaks must be heard and felt to insure proper seating of the tire for travel. Fig. 43 illustrates the travel position of the spare tire. The tire will be in contact with the brackets.

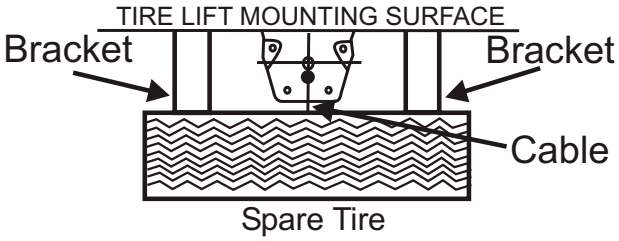


Fig. 43

WARNING: DO NOT exceed the maximum load capacities of 100 lbs. for the hoist. DO NOT use air driven guns or impact wrenches to lift the tire to the travel position.

CLEARANCE LIGHTS

Inspect all exterior lights to make sure they do not have moisture trapped inside. The "weep" holes at the bottom of the lights must be kept open to allow moisture to escape from the light fixture.

EXTERIOR

Caution: We recommend that you do not take your recreation vehicle through automatic car washes. Extreme caution should be used if utilizing any type of pressure sprayer around all attachments, doors, windows, appliance vents, etc. Avoid forcing water inside the unit, which could possibly damaging component parts.

Metal

Your trailer has an improved smooth metal with a new polyester automotive paint finish. This metal surface may be cleaned and polished as you would your automobile.

Fiberglass Sidewalls

Fiberglass walls are very durable and easy to maintain. To keep them looking nice, wax and buff them once a year. Standard automotive cleaning soaps and waxes work well for general cleaning and maintenance. In addition, do not dry wipe the surface. Special cleaners and waxes are available at automotive and RV stores.

Scratches, chips and other cosmetic cracks can be easily fixed by an experienced fiberglass repair shop. Any major damage should be repaired as soon as possible to keep cracks from spreading.

Roof Ladder (Option)

Your trailer may be equipped with an optional roof ladder. The following warning label is attached to your trailer if it is equipped with a roof ladder:

WARNING: If your unit is equipped with a roof ladder, it has a weight limit of 350# when using it to access the top of the unit. Do not exceed this limit.

(FIFTH-WHEEL SPORT UTILITY TRAILERS ONLY)

This ladder must be removed during travel and secured inside the trailer. With the roof ladder attached to the exterior of the trailer, the maximum width of the vehicle exceeds the allowable limit for travel on any road. This ladder is supplied for use while the trailer is parked only.

Rubber Roof

The rubber roof on your trailer is manufactured by Alpha Systems. They have supplied instructions with your trailer to take care of your roof. Make sure you read, understand and follow these instructions when working on your roof. If you have questions, consult with your independent, authorized dealer and/or visit the manufacturer's website at www.alphasystemsinc.com.

Sealants

Water is a recreation vehicle's worst enemy when it is allowed to enter where it is not intended. Sealants perform a very important function, must be inspected closely and regularly maintained. We incorporate many different types of sealants, including butyl/putty, black butyl-encapsulated foam, silicone (clear and colored), roof sealant and foam. In general, sealants do not have "set" lifetimes. Varying environmental factors affect the pliability and adhesiveness of sealants. Sealants can be affected by ultraviolet exposure, air pollution, extreme temperatures and exposure to other elements. Conditions such as rain, salt, dust and pollution may increase the need to maintain your RV's sealants.

Checking your sealants is routine maintenance. It is recommended that you or your independent, authorized dealer:

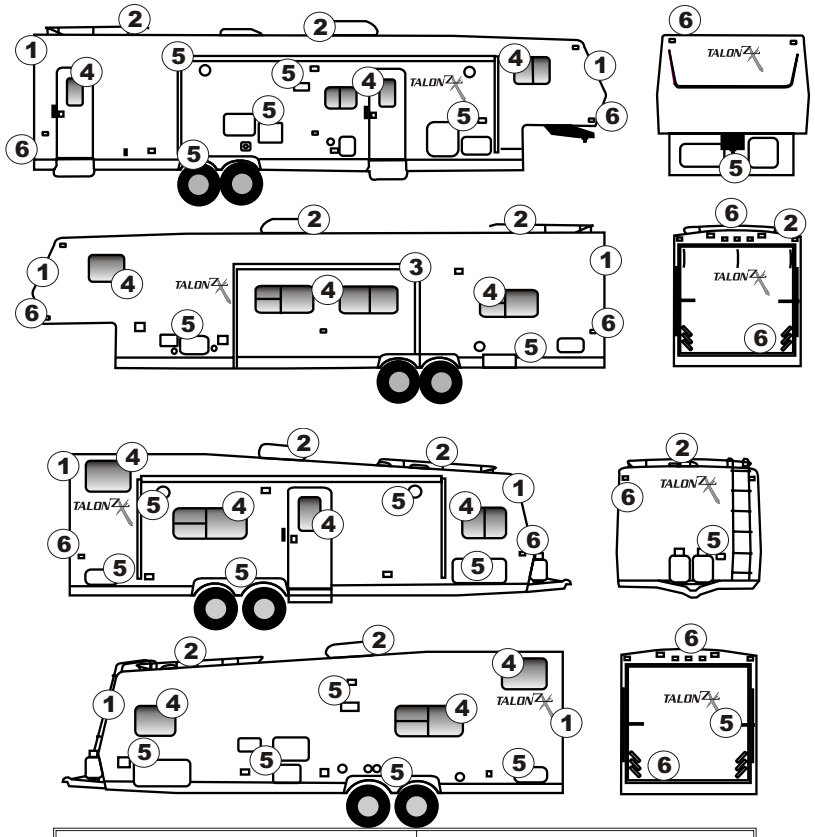
- Inspect all sealants, a minimum of every six months. Make sure to check the roof and all four sides of the RV including all moldings, windows, doors, vents, and exterior attachments. Reseal as necessary and at least one time each year as preventative maintenance.
- Cap seal (if applicable) or replace the sealant if you notice any cracks, gaps, lifting, looseness, peeling, shrinkage, voids or any sign of physical deterioration. Complete repairs immediately to prevent damage to your RV.
- Always use the same type of sealant originally used to build your RV. Consult with your independent, authorized dealer for the proper sealant(s) to use on your RV.
- If you notice water inside the unit, immediately have the independent, authorized dealership check for the source of the leak. Failure to correct the leak may result in serious damage to your RV. This damage will not be covered under the limited warranty.

Caution: To check the exterior sidewall sealants, use a stepladder placed safely beside the RV. Do not prop a ladder against the body of the unit (RV) as it may damage the finish.

Caution: Failure to properly maintain or reseal your RV may result in serious water damage to the roof and other parts of the unit. This damage will not be covered under the warranty.

NOTE: Although Fig. 44 may not accurately reflect the exact model of your RV, make sure you inspect all sealants as indicated in the text. If you have questions and/or need assistance with sealing your RV, consult with your independent, authorized dealer.

Fig. 44



1. Moldings	4. Windows/Doors
2. Vents/Attachments to Roof	5. Exterior Attachments
3. Slideout Trim/Moldings	6. Marker & Tail Lights

DOORS AND LOCKS

Locks on baggage doors need biannual lubrication. Light silicone lubricant is recommended. Conditions such as rain, salt, dust and pollution may increase the maintenance needs.

Entrance Door

The entrance door installed in your vehicle is the result of years of design and testing, to provide you, the owner, with the most carefree and functional product available.

To keep your door operating in the manner in which it was designed and delivered to you, there is some routine maintenance items that should be handled on a regular basis.

- **Strike Plate or Bolt Adjustment** - The door in your recreation vehicle was installed and adjusted in a factory setting in a level position. The setting of the striker plate or bolt may change over the course of time and road conditions and that setting may need to be changed or adjusted to insure that your door operates as smoothly and efficiently as it should.

Caution: Do not adjust the lock if the unit is not level.

All doors, with the exception of the 6555 door, are built with a camber in the door. This camber is designed in the door to assist in obtaining a tight seal at the top and bottom of the door. To adjust the strike bolt in the rotary lock, loosen the bolt with a 5/8" socket or box end wrench; move the bolt in the direction needed and re-tighten the bolt to 35 foot pounds of torque. The door in your recreation vehicle operates much like an automotive door and must be closed firmly to enable the lock to engage the secondary locking or fully closed position and to compress the seals in the door. Adjusting the lock to lessen the effort needed to close the door will cause the door to not seal properly.

- **Locks** - The key cylinder in your locks need to be lubricated on an annual basis or as needed. Always use powdered graphite, never a petroleum product. The petroleum product will gum up the cylinder and cause it to not operate smoothly. Apply a light coating of white lithium grease to the face of the lock bolt to obtain a smooth closing.
- **Hinges** - The hinges on your door should be lubricated annually or as needed with any high quality spray lubricant.
- **Fiberglass Skin** - To maintain good appearance and long service life, Philips door skin panels should be washed and cleaned periodically. Cleaning removes the accumulation of dust and dirt, which can combine with sunlight and wind to attack exposed surfaces both chemically and abrasively.

The following methods and materials are suggested for cleaning fiberglass door skin panels. However, users are cautioned to conduct a test in a corner of the door skin to determine suitability.

- *General Cleaning* - A 10% solution of trisodium phosphate in warm water (not to exceed 120°F), may be applied in a scrubbing motion, using sponge, brush, or cloth. Rinse thoroughly after cleaning.
- *Removing Oil Residues or Difficult Substances* - Mineral spirits, applied with a clean cloth, will aid in removing most oily residues or substances. After using mineral spirits, clean the door with a mild soap solution to remove any residue of the mineral spirits.
- *Removing Hard Water Deposits* - A 10% solution of acetic acid in cold water may be used in the manner described in General Cleaning above. Rinse thoroughly after cleaning.
- Waxing, though not mandatory, waxing will help maintain the appearance and service life of the door. If waxing, use a high quality automotive or recreation vehicle wax, nonabrasive.

NOTE: Use non-corrosive cleaning compounds. Avoid the use of compounds containing ammonia or chlorine since they may cause the panels to yellow. Do not use rubbing compounds, as they will etch and damage the panel surface.

CARGO BAY FLOOR/WALL COATING

The coating requires little or no maintenance. To clean, simply wash down with a garden hose. Use soap and a brush, if necessary, for heavy dirt.

The non-slip texture is uniquely designed to be firm, but not hard or brittle. Please avoid dragging sharp loads across it.

If the liner gets damaged, please contact your independent, authorized Jayco dealer for assistance.

SCREEN WALL AND/OR PATIO CANOPY/SCREEN ROOM

Make sure that the screen wall, patio canopy and screen room are clean and free of foreign matter when placing them into storage. Some of these components may be manufactured separate from Jayco and these manufacturers have supplied information for proper care and maintenance of the component. Make sure that you read, understand, and follow all information supplied with your trailer. If you have further questions, consult with your independent, authorized dealer for assistance.

Removable Screen Wall

1. Do not hardware with the screen wall.
2. Never roll the screen wall up wet for any extended period of time.
3. Use only non-abrasive cleaners with warm water and a sponge to remove excess dirt and grime. Do not use cleaners with a bleach ingredient. Chlorine or bleach will strip the finish and color from the vinyl.
4. If mildew attaches itself to the fabric, brush the mildew dust with a soft bristle brush, making sure there is plenty of ventilation and air circulation. Using a mild soap and water solution, thoroughly clean the area. Rinse with clean water.

Caution: Use of bleach or products containing bleach could potentially damage the screen wall material causing it to rot away. If such products are used, make sure that the cleaning is followed by several thorough rinses with clean water.

ABS PLASTICS

ABS plastic components such as shower walls, tubs and exterior fenders will retain their original beauty with reasonable care.

For cleaning:

1. Dust and wipe clean with soft, damp cloth or chamois, wiping gently.
2. Wax or polish with Simoniz®, Aero-Wax®, or Glo-Coat® using flannel or jersey cloth. After polishing, wipe gently with damp cloth to ground electrostatic charges which may attract dust particles.

Do NOT use gritty or abrasive particle soaps or scouring compound to clean ABS plastic.

CAUTION: Avoid using "Citrus" or biodegradable cleaners which contain "D-Limonene." They will damage plastic materials.

BATHROOM TUB, LAVATORY SINK

The bath tub in your trailer is made of ABS plastic material. DO NOT use abrasive type cleaners, as they may scratch surfaces. Use a mild detergent soap and warm water to clean the tub surface. These cleaning instructions are similar to those recommended for fiberglass tubs and walls. For any type of repair work, see your independent, authorized dealer.

FURNITURE, CUSHIONS, AND FABRIC VALANCES

Your trailer contains different types of upholstery, depending on your décor. Each type of upholstery should be cared for as indicated. If you have further questions, consult with your independent, authorized dealer.

All upholstery should be vacuumed occasionally to remove dirt, dust, and pet hair

Cloth Upholstery

For deep cleaning, it is recommended to have upholstery professionally steam cleaned. Always test the fabric in an inconspicuous spot before using any type of spot cleaners.

Suede or Vinyl Upholstery

The suede fabric of your trailer should be cleaned with a mild soap and water only.

Caution: Clean the upholstery of your motorhome only as recommended. Using other processes than those listed may produce undesired results and possibly damage the upholstery. This type of damage is not covered by your Jayco limited warranty.

BEDSPREADS

Dry clean only.

WINDOW TREATMENTS

The window treatments of your recreation vehicle may include mini blinds, pleated shades, and/or drapes. Refer to the following guidelines for cleaning.

Window Treatment	Light Cleaning	Extensive Cleaning
Mini Blinds	Dust or Vacuum	May be removed and washed with a mild detergent and warm water
Draperies	Vacuum	Professionally Dry Cleaned

SHOWER CURTAIN AND LINER

The shower curtain is made of a cotton or cotton/polyester material and should be dry cleaned. The shower curtain liner should be cleaned as you would clean your own shower curtain liner at home.

PANELING

The wall paneling in your trailer is a vinyl covered wood panel. If deep scratches occur, putty sticks can be used to cover them. These can be obtained from hardware stores and lumber yards. For decor paneling, replacement vinyl covering can be purchased for repairs, if needed. Your independent, authorized dealer's parts department can assist you with this.

To clean, use a mild solution of soap and lukewarm water with a soft sponge or cloth. DO NOT use abrasive cleaners. It could cause the vinyl to scratch and turn dull. Grease spots and stubborn dirt can be cleaned off with an all-purpose spray cleaner. Harsh cleaners and organic solvents can attack the printed vinyl and, therefore, are not recommended.

VINYL FLOOR

To care for the vinyl floor covering, use a damp mop with water and a mild cleaner. DO NOT SOAK FLOORING. Use care to avoid wetting carpet edges.

Caution: To avoid problems of yellowing linoleum, the manufacturer recommends to avoid using cleaners that contain oil based solvents (i.e. cleaners containing lemon oil, Murphy's Oil Soap, etc.).

CARPETING

Because of the additional dirt typically associated with camping, we recommend that you vacuum the carpet frequently. Professional steam cleaning for tough and deep stains is recommended. Use spot removers for minor spills. Always test carpet for color fastness in an inconspicuous area before using any product.

Ⓝ NOTE: Avoid chemical cleaners. Do not permit cleaners to touch carpet or fabrics.

COUNTERTOPS

High Pressure Laminate

Glass rings, food spills, water spots and smudges usually wipe off with a damp sponge. Stubborn stains can be removed with a general purpose spray cleaner. Some stains can be removed by squeezing fresh lemon juice over the stain and allowing the juice to soak for approximately forty-five (45) minutes. After forty-five (45) minutes, sprinkle baking soda over the lemon juice and rub with a soft cloth.

HARDWARE AND SINK OR SHOWER FIXTURES

Use mild dish soap and water to clean these fixtures. Never use harsh chemicals or sprays. A mild solution of vinegar and water works well to remove hard water spots and stains from the sink or shower fixtures.

SLIDEOUT

Your slideout systems have been designed to require very little maintenance. To ensure a long life of your slideout system, read, understand and follow these simple instructions.

- When the slideout is extended, visually inspect the inner slide rail assemblies. Check for excess build-up of dirt or other foreign material; remove any debris that may be present.
- If the system squeaks or makes any noise, refer to the applicable slideout manufacturer's instructions supplied with your trailer for the appropriate lubricant to use.
- On travel trailers with a flush floor slideout, a light coat of silicone spray on the glide bar is recommended one time per year. To apply the spray, lift the carpet flap. Using a light coat of spray, make one pass all along the glide bar. It is recommended that this be done prior to each camping season.

Caution: Use only a silicone spray to lubricate the glide bar. Other lubricants may attract dirt and oils which will stain the carpet.

Troubleshooting the Electric Slideout

- If the slideout does not move when the slideout switch is depressed, follow these steps.
  - Check the battery for a full charge and good wire connections.
  - Check for loose connections at the slideout motor.
- If the slideout still will not operate, follow these steps.
  - If the slideout is extended, see the section on overriding the electric slideout system.
  - If the slideout is retracted, leave it in that position.
  - Take the trailer to a independent, authorized dealer or service center.
- If the slideout extends crooked, or only one side moves, follow these steps.
  - Follow steps on overriding the slideout system.
  - You may need to push the side that is not sliding to get it to retract all the way.
  - Take your trailer to an independent, authorized dealer or service center.

Main Room Slideout

After troubleshooting the system as indicated above, follow the appropriate steps for your slideout system to move the slideout manually.

- This system contains a pre-lubed bearing, which is lubricated when the room is moved in and out. Do not spray oil or grease on the rails while the room is extended.

OVERRIDE THE ELECTRIC MAIN ROOM SLIDEOUT

Tools required

- ScruLox head screwdriver (if trailer has an underbelly)
- 3/4 " wrench or ratchet and 3/4 socket.

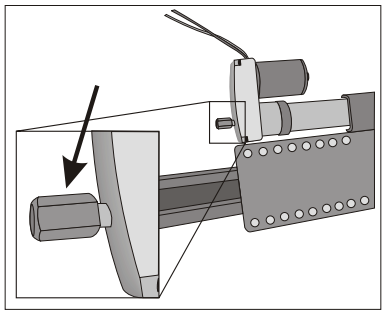


Fig. 45

Main Room Slideout Override

- If the trailer has an underbelly, locate and remove the access panel for the slideout motor. This panel is typically on the opposite side of the trailer from the slideout room.
- Use a 3/4 socket and ratchet on the hex head located on the end of the drive shaft (Fig. 45) and turn the shaft until the slideout is in the position you desire.
- If you have problems or questions, consult your independent, authorized dealer or the main room slideout system manufacturer.

Bedroom Slideout

OVERRIDING THE ELECTRIC BEDROOM SLIDEOUT SYSTEM

After troubleshooting the system as indicated above, follow the appropriate steps to move the slideout manually.

Tools required:

- ScruLox head screwdriver
- 5/8" wrench or rachet and 5/8" socket.

Bedroom Slideout Override

WARNING: Do not work on your system unless the battery is disconnected. Failure to comply could result in death or serious injury.

- Locate the trailer battery and disconnect the leads.
- Inside the trailer, access the slideout motor located under the bed platform.
- Disconnect one slideout motor wire near the motor.
- Using a 5/8" wrench or socket/ratchet combination, rotate the motor shaft (Fig. 46) counter clockwise to retract the bedroom slideout room.

NOTE: Once the room is fully extended (retracted), apply pressure to the wrench to fully set the room. The worm gear in the gear box will prevent the room from drifting in or out.

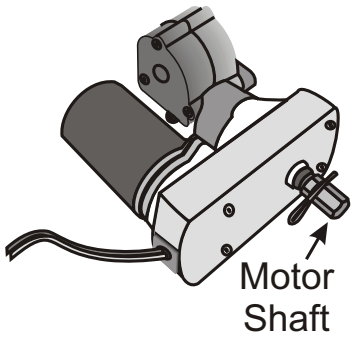


Fig. 46

- If you have any problems or questions, consult your independent, authorized dealer and/or visit the bedroom slideout system manufacturer's website at www.lci1.com/Manuals.htm.

FUEL STATION

Your trailer may be equipped with a fuel station for refueling equipment. Information from the fuel pump manufacturer for maintenance and troubleshooting your fuel pump is included with your trailer's information packet. Make sure that you read, understand and follow all information before operating or working on your fuel pump. If you have questions, consult with your independent, authorized dealer or visit the fuel pump manufacturer's website at www.greatplainsindustries.com.

NOTE: Make sure that you read, understand and follow all safety information supplied with your trailer and applicable equipment for handling fuel and operating the fuel station. Refer also to information found in the "Safety" chapter of this manual.

CARBON MONOXIDE (CO) DETECTOR

Maintenance and testing information for your carbon monoxide (CO) detector are supplied by the CO detector manufacturer. Make sure you read, understand and follow all instructions and safety requirements to maintain the unit's proper operation. If you have questions, consult with your independent, authorized dealer and/or contact the CO detector manufacturer.

WARNING: If the CO detector is not maintained and functioning properly according to the CO detector manufacturer's supplied instructions, you will not be warned if CO is present in the air. Death or serious illness could result from asphyxiation (inability to breathe) if CO is present.

PROPANE SYSTEM

Your propane system is designed to function properly with regular maintenance and inspection. Make sure that you regularly check for any propane leaks as outlined in the safety information in this manual, as well as any component part manufacturer's supplied information. It is recommended that you have your system inspected at least annually by a qualified dealer or propane supplier.

DANGER: DO NOT smoke while changing cylinders or working on your propane system. See the use, danger and warning instructions throughout this manual for the propane system.

Propane Cylinders

1. The propane cylinder must be painted with a light color, such as white or silver plate, to reflect heat and light.
2. Rust, scratches, and/or dents can affect the safety of the cylinder. The D.O.T. requires that a visual inspection is made prior to each filling.
3. Any cylinder that has been exposed to fire, leaks or seems damaged should not be refilled.

4. A propane cylinder must always be placed in an upright position. Assure that the cylinder is secured in place prior to moving the vehicle.
5. The D.O.T. requires that propane cylinders be inspected, certified and labeled when it is twelve years old. (The number of years for certification may vary in your area.) Following the initial twelve-year period, the cylinder must be certified every five years.
6. The valve of the cylinder must be CLOSED at all times except when it is connected to the recreation vehicle propane system or is being refilled.
7. Inspect the cylinder at regular intervals. If there is a problem, have it evaluated by a qualified technician and discard it, if necessary. Verify with your local propane dealer that all required inspections and certifications have been completed on the propane cylinder within the correct time period before refilling the cylinder.

TV ANTENNA

Maintenance information for your TV antenna is supplied with your trailer from the antenna manufacturer. Refer to this information for complete instructions, and/or consult with your independent, authorized dealer. Information can also be found at the manufacturer's website at www.wingard.com.

FURNACE

Preventive maintenance and safety checks should be performed by a qualified technician at least once a year, or more, depending on the use of the furnace. Failure to properly maintain the furnace may void the furnace warranty and can result in unsafe furnace operation. Preventive maintenance is NOT covered under the warranty. Power should be disconnected before servicing. Refer to the furnace manufacturer supplied instructions for information regarding the furnace and its maintenance.

NOTE: Do not operate the furnace without a 12-volt auxiliary battery installed in your trailer and the battery disconnect switch turned to the "ON" position. Operation without a battery in the 12-volt circuitry may void the furnace warranty.

GENERATOR

Periodic maintenance is essential for top performance and long generator life. Refer to the specifics for each maintenance operation in the generator manufacturer's owner's manual. Under hot or dusty operating conditions, some maintenance operations should be performed more frequently, as indicated by the generator manufacturer. Keep a log of maintenance performed and the hours run. Recording maintenance will remind you to do it at regular intervals and provide a basis for supporting warranty claims.

Maintenance, replacement or repair of emission control devices and systems may be performed by any engine repair establishment or individual. However, warranty work must be completed by an authorized Onan dealer or distributor. If you have questions, consult with your independent, authorized dealer and/or visit the generator manufacturer's website at www.onan.com.

NOTE: Make sure that you read, understand and follow all safety information supplied with your trailer's generator and applicable gasoline equipment. Refer also to information found in the "Safety" chapter of this manual.

AIR CONDITIONER

Consult the air conditioner manufacturer's information supplied with your trailer and/or your independent, authorized dealer for maintenance information on the air conditioning unit. Information is also available at www.rvcomfort.com/rvp/rvp.php.

A special foam gasket is placed between the roof material and the subframe of the air conditioner to guard against water leakage.

An air conditioner is subjected to wind pressures along with motor vibration during normal operation. Inspect the mounting bolts for tightness to ensure there is no leakage or looseness at least annually. Retighten bolts when they are loose. DO NOT overtighten these bolts as it may damage the gasket.

To gain access to the bolts, remove the filtered panel cover on central air systems or the entire air box on non-central air conditioners.

TOILET

The care and maintenance of your trailer's toilet should be performed according to the instructions supplied by the toilet manufacturer. If you have further questions, consult with your independent, authorized dealer and/or visit the manufacturer's website at www.thetford.com.

MAINTENANCE CHECKLIST

This list is a quick reference sheet for suggested areas of regular maintenance. Make sure that you review all literature supplied with your trailer by the various component manufacturers. To perform maintenance items as suggested here, refer to specific information found in literature supplied with your unit from component part manufacturers and in this manual.

Prior to First Trip

- ☐ Check propane lines for leaks.
- ☐ Test propane, smoke and carbon monoxide detector(s).
- ☐ Sanitize fresh water system.
- ☐ Check wheel nuts at specified intervals to listed torque values. Re-torque as needed. Refer to the axle manufacturer's manual.
- ☐ Open all windows and the door and start the furnace. Leave the windows and door open and the furnace on until the odor from the initial use of the furnace is fully dissipated.

First Two-Hundred Miles

- ☐ Check wheel nuts at specified intervals to listed torque values. Re-torque as needed. Refer to the axle manufacturer's manual.
- ☐ Have brakes adjusted by a qualified service technician.

Each Trip

- ☐ Test propane, smoke and carbon monoxide detector(s).
- ☐ Check battery water level. (if equipped with battery.)
- ☐ Check tire pressure and wear. Make sure the tires are cold when checking the tire pressure.
- ☐ Check running lights.
- ☐ Inspect safety chains for signs of wear. (if applicable)
- ☐ Test brakes.
- ☐ Flush out water heater tank.

After Every Tire Change

- ☐ Tighten wheel nuts to specified torque values at 10, 25 and 50 miles (16, 40, and 80 kilometers) to assure that they are correctly seated after the tire change. Refer to the axle manufacturer's manual.

Daily

- ☐ Recharge battery after each use.
- ☐ Ensure propane detector operation light is green in color.

Weekly

- ☐ Test propane, smoke and carbon monoxide detector(s).
- ☐ Check tire pressure and wear. Make sure tires are cold when checking the tire pressure.

Monthly

- ☐ Clean and lubricate the coupler. (if applicable)
- ☐ Check fire extinguisher pressure. Refer to the fire extinguisher label for specific instructions.
- ☐ Test the ground fault circuit interrupter (GFCI)

Every Three Months or 3,000 Miles

- ☐ Compare water heater pilot flame with ideal flame. Refer to the water heater owner's manual for ideal flame. Have cleaned and adjusted as necessary by a qualified technician.
- ☐ Compare refrigerator pilot flame with ideal flame. Refer to the refrigerator owner's manual for ideal flame. Have cleaned and adjusted as necessary by a qualified technician. (RV type refrigerator only)
- ☐ Inspect refrigerator door seals.
- ☐ Inspect refrigerator combustion seals. Have cleaned and adjusted as necessary by a qualified technician. (RV type refrigerator only)
- ☐ Check propane lines for leaks.
- ☐ Inspect propane cylinders for rust, pits, gouges, scrapes or sharp dents. Repaint cylinders if rust is present.
- ☐ Drain and sanitize fresh water system.
- ☐ Check, clean, tighten and lubricate battery cables.
- ☐ Check wheel nuts at specified intervals to listed torque values. Re-torque as needed. Refer to the axle manufacturer's manual.
- ☐ Examine the tires for unusual wear, sidewall defects from possible cuts, bulging and abrasions.
- ☐ Lubricate tongue jack. (if applicable)
- ☐ Lubricate hitch ball. (if applicable)
- ☐ Have brakes adjusted by a qualified service technician.

Every Six Months or 6,000 Miles

- ☐ Clean drains with approved drain cleaners.
- ☐ Check pipe connections for tightness. Tighten if necessary.
- ☐ Lubricate all moving parts on the entrance steps.
- ☐ Lubricate entrance and baggage door locks.
- ☐ Clean and lubricate stabilizer jacks.
- ☐ Inspect wheels for cracks, dents or distortion.
- ☐ Inspect and reseal your trailer as defined earlier in this chapter.
- ☐ Have suspension system serviced by a qualified service technician.
- ☐ Lubricate the elevating gear on the television antenna.
- ☐ Lubricate the bearing surface between the rotating gear housing and the base plate on the television antenna.
- ☐ Lubricate the rubber quad ring on the elevating shaft located on the television antenna.
- ☐ Clean fifth-wheel landing gear electrical connections with baking soda, then cover with a thin coat of grease. (if applicable)
- ☐ Perform routine preventative maintenance on the entire trailer and all component parts.

Every Year or 12,000 Miles

- ☐ Lubricate moving parts on the awning hardware. (Awning option only.)
- ☐ Manually operate the pressure-temperature control lever on the water heater.
- ☐ Clean city water entry strainer.
- ☐ Check demand tank vent for obstructions.
- ☐ Check water pump connections and mountings for tightness.
- ☐ Rotate Fluorescent tubes in the light fixtures.
- ☐ Replace battery on the carbon monoxide detector. (if applicable)

- ☐ Have propane system inspected and serviced by a qualified technician.
- ☐ Have the refrigerator inspected and serviced by a qualified technician.
- ☐ Have brakes inspected and serviced by a qualified technician.
- ☐ Repack wheel bearings.
- ☐ Have furnace inspected and serviced by a qualified technician.
- ☐ Apply silicone spray to the fifth-wheel landing gear inner tube and pad and the inside of the handle alignment tube. (if applicable)
- ☐ Grease gears in the gear box and at the top of each leg of the fifth-wheel landing gear with extreme pressure grease. (if applicable)
- ☐ Oil the shaft bushings of the fifth-wheel landing gear with SAE 30 oil. (if applicable)
- ☐ Inspect and reseal your trailer as defined earlier in this chapter.
- ☐ Perform routine preventative maintenance on the entire trailer and all component parts.

Every Five Years

- ☐ Replace propane and carbon monoxide detectors.

NOTES

STORING YOUR TRAILER...

Depending upon your area and where your unit is stored, your camper may be a target for damage from rodents and insects. To protect your camper, never leave food inside the unit and ensure that all surfaces are clean. You may want to place rodent control products in the unit during periods of storage. Mice and other rodents can do a tremendous amount of damage to drapes, cushions, etc. particularly during the winter months. Storing units in fields make them particularly inviting to rodents. Periodically inspect your unit during storage and seal off any areas which can offer an entry point to rodents or insects. Please remember to remove any screens or tape you have used to seal openings before you use the camper again. Special interest publications, such as articles and books offered through TL Enterprises (Trailer Life, Motorhome, etc.) can offer additional and practical advice on the proper storage of your camper. Damage from rodents or insects is not covered under your Jayco Limited Warranty.

CAUTION: When storing your trailer, it is recommended that the battery be unhooked to avoid draining the battery.

WINTERIZING

Preparing your recreation vehicle for winter is very important for most states and Canada. Failure to prepare the trailer will cause supply lines and water heater to freeze causing breakage. Repairs due to freezing are not to be covered under the terms of your Jayco Limited Warranty.

Please keep in mind that your towable RV was not designed for use during sub-freezing weather.

There is no commodity or product that can be added to the fresh water systems to ensure freeze protection while the system is in use, other than RV antifreeze. Do not drink water that contains antifreeze. This includes non-toxic RV antifreeze.

WARNING: Do not use Ethylene Glycol (automotive antifreeze) or Methanol (windshield washer antifreeze) in your fresh water system. They are harmful and may be fatal if swallowed.

There are two methods of winterizing your trailer. Please read, understand and follow all instructions before beginning.

Method 1

This method will utilize an air hose to blow excess water from the water lines.

1. Make sure all holding tanks are empty.
2. Run the pump until it is dry, this will take approximately 15-20 seconds.
3. Using an air hose and adapter, blow air through the city water connection.
4. Leave the faucets, drains and toilet open. Any remaining water will blow out in 5-10 minutes.
5. Pour one cup of non-toxic RV antifreeze into all drain P-traps.

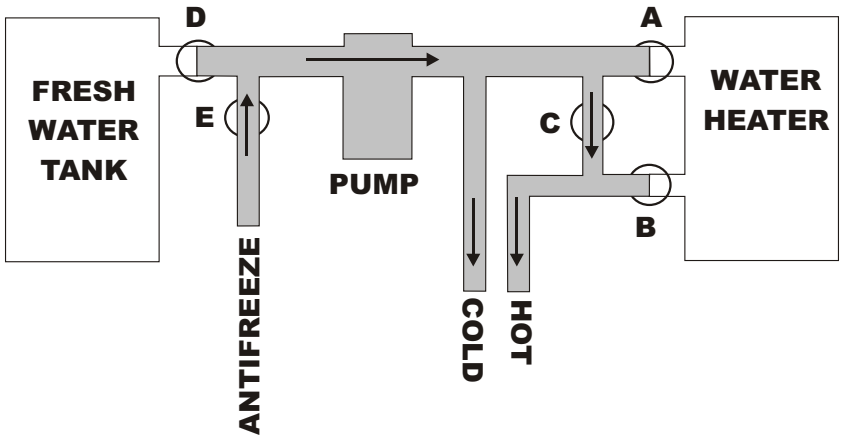
Method 2

This method utilizes a water heater bypass kit to avoid filling the entire water heater with antifreeze.

1. Make sure all holding tanks are empty.
2. Turn off the pump.
3. Close valves A, B and D. Open valves E and C.
4. Drain the water heater and fresh water tank. (Consult the water heater owner's manual for details.)
5. Put the hose from valve E into a jug of NON-TOXIC RV antifreeze. You will need more than one gallon of antifreeze.
6. Turn on the pump and open each faucet until the antifreeze flows through. Do not forget to run the antifreeze through the toilet.
7. Pour at least one cup of antifreeze into each drain to protect the P-traps.
8. Close valve E.
9. Before using the water system again, drain and flush the water system. Close valve C and open valves D, A, and B. Thoroughly sanitize and flush the whole system. It will then be ready for use.

To winterize: Valves A, B, and D are closed; E and C are open.

Fig. 47



STORAGE CHECKLIST

Prior to Storage

NOTE: If storing for the winter, be sure all winterizing steps are followed. Refer to winterizing section.

- ☐ Drain and flush all holding tanks; fresh water, gray water, black water and hot water tanks.
- ☐ Drain all water lines.
- ☐ Close the propane cylinder valve(s). If your cylinders do not already have a cover, purchase at least a vinyl propane cylinder cover. Make sure the regulator is covered.
- ☐ Disconnect 120-volt electric power to the RV.
- ☐ Remove all batteries from the RV and store in a place where they wont freeze. Batteries that have been frozen will never hold a proper charge.
- ☐ Check your roof and other surfaces to ensure there is no damage and potential leakage that might otherwise go unnoticed until it is too late.
- ☐ Inspect and reseal your trailer as defined in the "Maintaining Your Investment..." chapter of this manual.
- ☐ Turn off 12-volt/120-volt/propane to the refrigerator; defrost and clean. Use crumpled newspaper or open boxes of baking soda in the refrigerator to eliminate odors during storage.
- ☐ Remove all perishable items from the interior. Include in this any items that are susceptible to freezing, if storing during the winter months.
- ☐ Cover all external outlets, such as furnace, exhaust, etc. to prevent critters from entering.
- ☐ Thoroughly wash the interior and the exterior of your RV.
- ☐ Close all windows and roof vents.
- ☐ Cover tires that are exposed to sunlight to prevent weather checking and other UV damage.
- ☐ Cover the roof air conditioner.
- ☐ Store your RV indoors, under a roof or purchase a tarp to cover your RV during storage. Make sure you invest in a good tarp that can breathe.
- ☐ Turn all cushions on edge to prevent the entrapment of moisture/mildew during long term storage.
- ☐ Do not use leveling jacks during storage.

During Storage Period

- ☐ Remove snow loads from the top of your RV to prevent damage to the unit’s structure.

Caution: Excessive snow, 8" or more, or ice, 2" or more, places excessive weight on roof. Remove excessive snow or ice as needed. Care MUST be exercised to not damage the roof material when removing snow & ice. Excessive weight can damage the roof, seals, etc. Water leaks and poor fit or operation are the results of this damage.

NOTES

INDEX

A

ABS Plastics 97
Additions 19
Air Conditioner
  maintenance 104
  operation. 61
Antenna. 47
  maintenance 103
Appliances
  air conditioner 61
  furnace. 57
  microwave. 57
  range. 57
  refrigerator 57
  water heater 58
Awning
  campsite selection 43
  set up 50
Axle Maintenance 90

B

Bathroom 58
Battery
  auxiliary 39,81
    propane related 77
  disconnect switch 82
  isolator. 82
  tow vehicle 38
  trailer 39
BBQ Grill Prep & Operation 66
Bed Set Up
  booth dinette. 50
  couch/J-steel dinette operation 49
  hide-a-bed 50
  rear bed 48
Bedspreads 98
Biodegradable Toilet Paper 55,70
Black Water Tank
  preparation 71
  to empty 87
  weight of full tank 27
Booth
  dinette 50
Brake 38
  12-volt DC power 84
  controller 39
  maintenance 91
    lining 91
Breakaway Switch 39
  auxiliary battery 80
  hitching 31
  unhitching 44
Bumper - Rear 27

C

Canadian Standards Association. 1
Cable 47
Campsite Selection 43
Carbon Monoxide Detector
  maintenance 102
  safety 18
Cargo Bay
  screen wall. 51
  weight capacity 24
Cargo Capacity 23
Cargo Carrying Capacity 23
Cargo Ramp
  campsite selection 43
  door operation 26
  weight capacity 24
Carpeting 99
Caution
  personal injury related - definition . . 13
  property related - definition 13
Changes, Modifications and Additions. . 19
Changing Tire 91
Checklist
  departing camp 85
  maintenance 105
  pre-travel 40
  prior to storage 111
Chlorine Odor 69
Circuit Breaker 80
  electric hookup 53
  safety 15
City Fill Connection 53
Clearance Lights 92
Cold Weather Use 20
Condensation 21
Converter
  12-volt DC system 81
  propane related 77
Cooking Safety 72

Couch Operation 49
Countertops 99
Coupler
hitching procedure 31
maintenance 89
unhitching 44
Customer Support
component part manufacturer's directory 12
Jayco customer relations department . 13

D

Danger - definition 13
Dealer 11
Demand Pump 54
Department of Transportation
propane cylinder 73
propane cylinder maintenance 102
tires 36
Dinette
convert to bed 50
Door Maintenance 95
Draining
drain traps 87
fresh water 70
fresh water tank 70
holding tanks 87

E

Electric 78
120-volt AC 78
120-volt consumption 80
12-volt consumption 80
12-volt DC 80
50-amp service 80
adapter 53
battery disconnect switch 82
brakes 38,84
campsite selection 43
circuit breaker 80
circuit breaker safety 15
converter 81
extension cords 78
fuse panel 83
fuse safety 15
generator 82
ground fault current interrupter 79
hook up 53
main room slideout override 100
power cord 78
power cord connection safety 53
power cord safety 15
power surges 53,78
safety 15
slideout override
bedroom 101
wire harness 39
Emergency Stopping Safety 19
Empty Holding Tanks 56
Equipment
entertainment 60
radio speaker operation 60
hitch - fifth-wheel sport utility trailer . 33
hitch - sport utility trailer 30
towing 28
Extended Use 20
Extension Cords 53,78
Exterior Maintenance 93
Exterior Sealants 94
Exterior Water Connection 59
E-Z Lube Axle 90

F

Faucets 58
Federal Certification Label 23
Fiberglass Sidewalls 93
Fifth-Wheel Sport Utility Trailer
hitch maintenance 89
hitching procedure 33
landing gear maintenance 89
unhitching procedure 44
Filter Replacement
water purification system 60
Fire Extinguisher 17
Fuel
gauge operation 63
pump 64
pump disconnect 65
safety 16
station maintenance 102
station operation 64
station safety 16
tank(s) 62
Furnace 57
maintenance 103
Furniture Maintenance 98

Fuse
fuse panel 83
panel layout 84
safety 15

G

Generator 64
electric 82
maintenance 103
prep 63
Gravity Fill 54
Gray Water Tank
preparation 71
to empty 87
weight of full tank 27
Gross Axle Weight Rating 23,24
Gross Combination Weight Rating 23,24,29
Gross Vehicle Weight
Rating 23,24,27,28,29,30
Ground Fault Current Interrupter. 79

H

Hide-a-Bed 50
Hitch
ball size 31
coupler maintenance 89
dolly wheel or platform 31
fifth-wheel trailer pin 33
height specifications
fifth-wheel sport utility trailer . . . 33
sport utility trailer 31
hitching procedures
fifth-wheel sport utility trailer . . . 33
sport utility trailer 31
maintenance 89
sport utility trailer 30
sway control 30
tongue jack maintenance 89
weight distributing 30
Holding Tank
draining 87
preparations 71
to empty 56
weight of full tank 27

I

Insurance 21

J

J-steel Dinette Operation 49

L

Ladder 93
loading equipment. 25
Landing Gear
hitching 33
maintenance 89
unhitching 44
Leveling Trailer 44
Lights
bulbs 83
clearance. 92
exterior 82
interior. 82
porch. 82
Limited Warranty Transfer
definition 3
form 8
Linoleum 99
Loading Cargo 24
Low-point Drains 70
Lugs. 90

M

Maintenance 89
checklist 105
snow removal 111
Metal 93
Microwave 57
Modifications 19
Monitor Panel 61

N

National Highway Transportation Safety
Administration 13
Note - definition 13

O

Outside Shower. 59
Owner's Responsibility. 11

P

Paneling 99
Parts Ordering 11
Patio Canopy/Screen Room
maintenance 97
set up 52
Plumbing 69
Potable Water System
sanitizing 69
Power Converter 81

Power Cord 78
safety 15
safety when connecting 53
Power Surges 53,78
Propane 71
BBQ grill 66
checking for leaks 14
connections 55
consumption 77
correct a leak 15
cylinder 73
components of 73
maintenance 102
position - A-frame or front trunk . . 75
position - In a recessed compartment or housing 76
servicing & filling 74
detector 77
freeze up 55,76
if you smell propane 72
leak test 14
main supply hose 76
OPD overfill protection 75
quick coupler 66
regulator 76
safety 14
start up 55
system components 71
system maintenance 102
Type 1 ACME connection 75
P-trap 87

Q

Quick Coupler
BBQ grill connection 66
exterior water connection 59

R

Recreation Vehicle Industry Association . 1
Radio Speaker Operation 60
Ramp
door operation 26
Range 57
Rear Bed 48
Rear Bumper 27
Refrigerator 57
Regulator 76
Removable Screen Wall
maintenance 97
Retractable Screen Wall 52
Roof 93

S

Safety
additional considerations 20
carbon monoxide detector 18
considerations 13
cooking 72
defects 13
electric 15,53
emergency stopping 19
fire extinguisher 17
fuel 16
fuel station 16
power cord connection 53
propane 14
smoke detector 18
tires 36
transporting cargo 17
water 15
Safety Alert Symbol 13
Safety Chain 32
hitching 31
unhitching 44
Sanitation 70
campsite selection 43
waste disposal 55
Sanitizing Potable Water System 69
Screen Wall
maintenance 97
removable 51
retractable 52
Sealants 94
Security Lights 61
Service Procedures 10
Setting Up Your Trailer 44
Shoreline Power 53
Shower
outside 59
Shower Curtain and Liner 98
Shower Maintenance 99
Sidewall Maintenance 93
Sink 98,99
Slideout 46
bedroom electric override 101
campsite selection 43
components 46

hide-a-bed position 50
main room electric override 101
maintenance 100
operation. 47
rubber seal 47
troubleshooting. 100
Smoke Detector. 18
Snow and Trailer Maintenance 111
Spare Tire Carrier 92
Sport Utility Trailer
coupler maintenance 89
hitch maintenance 89
hitching procedure. 31
tongue jack maintenance 89
Stabilizer Jacks 45
Storing Your Unit 109
Sway Control 30

T

Table - convert to bed 50
Tank
black 71
gray 71
waste. 71
Television
antenna 47
cable 47, 84
Termination Valves. 55
Tires 36,91
changing 91
pressure 36
safety 20
spare 92
Toilet 58
biodegradable paper 55
maintenance 104
use of system 70
Tongue
jack maintenance 90
weight 24
Tow Rating 29
Tow Vehicle 29
battery 38
battery isolator. 82
brake controller 39
Towable Limited Warranty
definition 3
Towing
behind your RV 35
your RV 35
Trailer
battery 39,81
changes, modifications & additions . . 19
frame 90
hitch 30
leveling 44
weight & holding tank. 27
weight information label 23
Trailer Weight Information Label 23
Transport Canada/Road Safety 13
Transportation of Cargo 17
Tub 98

U

Unhitching
fifth-wheel sport utility trailer. 44
sport utility trailer 44
Unloaded Vehicle Weight 23
Upholstery Maintenance 98
Utilities 69
Utility Hookups. 53

V

Vacuum Breaker 58,59
Vents
sanitation system 71
Vinyl Floor 99

W

Warning - definition 13
Warranty
limited transfer application definition . 3
limited transfer application form 8
registration & customer delivery definition 3
registration & customer delivery form . 7
towable limited definition 3
towable limited warranty form 4
Warranty Registration & Customer Delivery
definition 3
form 7
Washing Trailer 89
Waste
disposal 55
draining 87
Water
campsite selection 43

city fill connection 53
draining fresh water 70
exterior connection 59
filter cartridge 60
gravity fill 53
heater 58
hook up 53
pressure regulators 54
pump. 54
purification system 60
safety 15
water tank usage. 54
Weighing Instructions 27
Weight
BBQ grill capacity 66
capacity rating. 24
cargo bay capacity. 24
cargo carrying capacity 23
distributing hitch 30
gross axle weight rating 23,24
gross combination weight rating 23,24,29
gross vehicle weight rating. 23,24,27,28,29,30
of full holding tanks 27
ramp capacity 24
tongue weight 24
unloaded vehicle weight. 23
Weight Capacity 23
Weight Distributing Bars 31,44
Wheel
bearing maintenance 90
lug maintenance 90
lugs 37
torque requirements 37
Window Treatments 98
Winterizing 109
water purification system 60
with air pressure 109
with water heater bypass. 110
Wire Harness 39